

FIG. 1

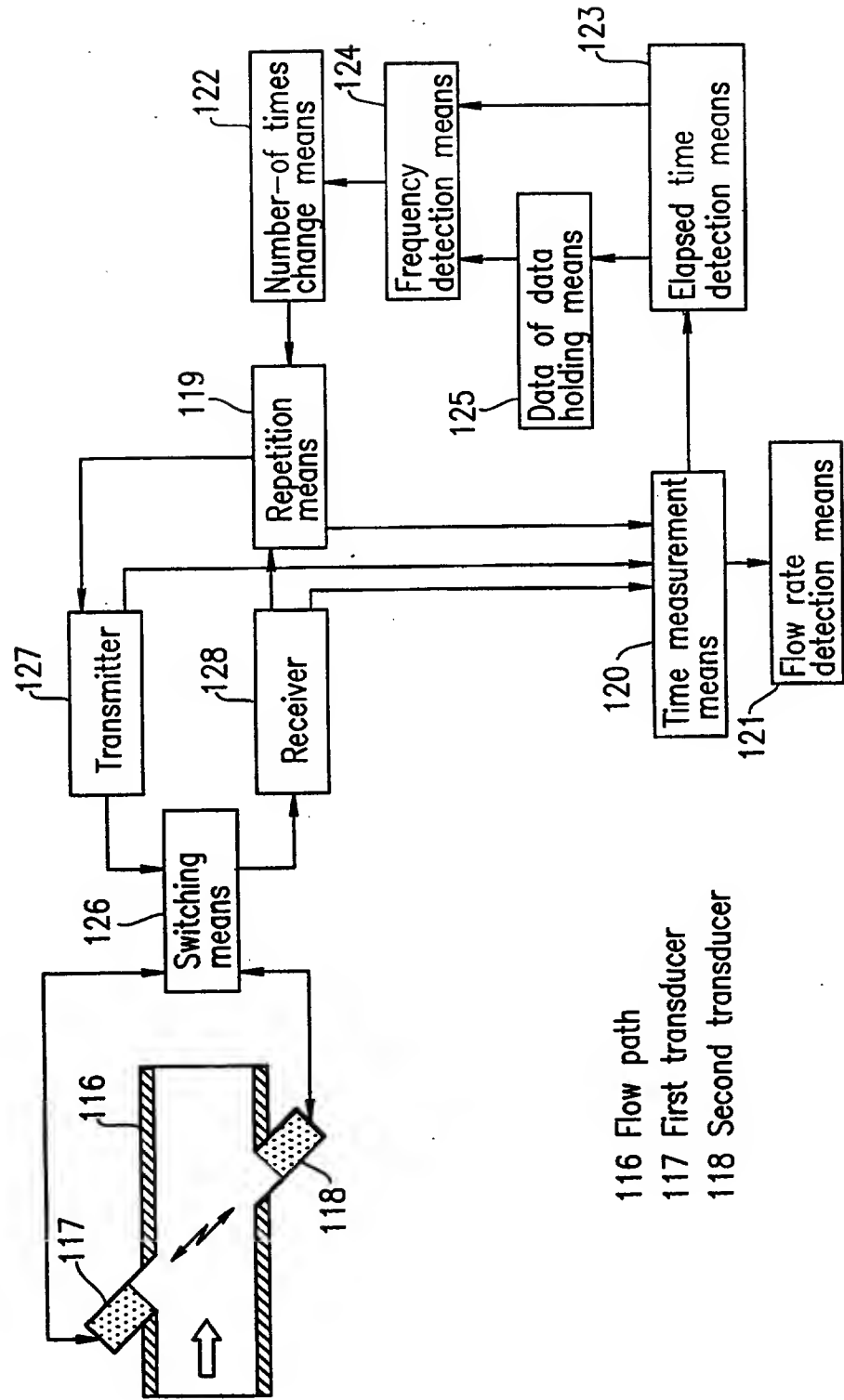
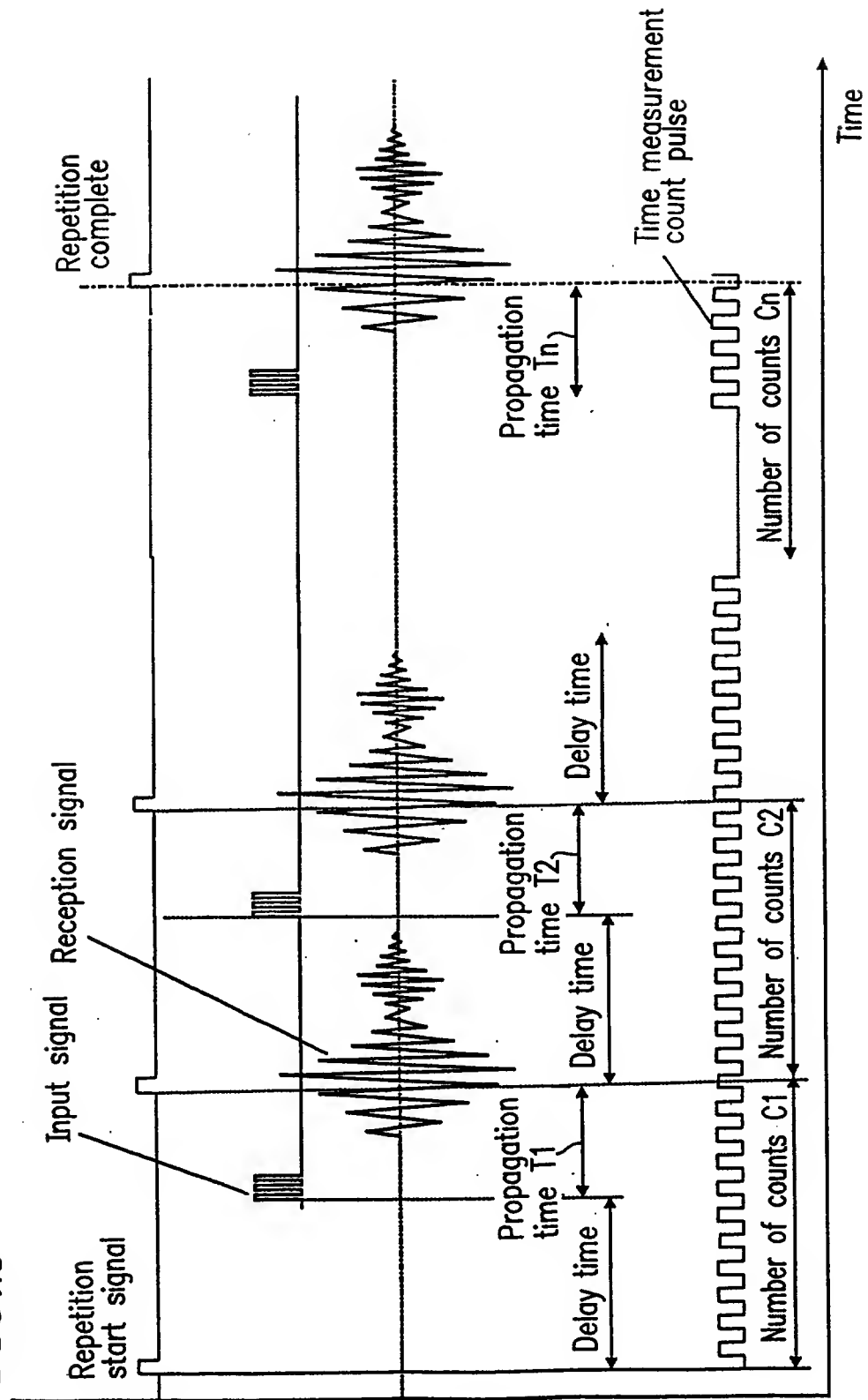


FIG. 2



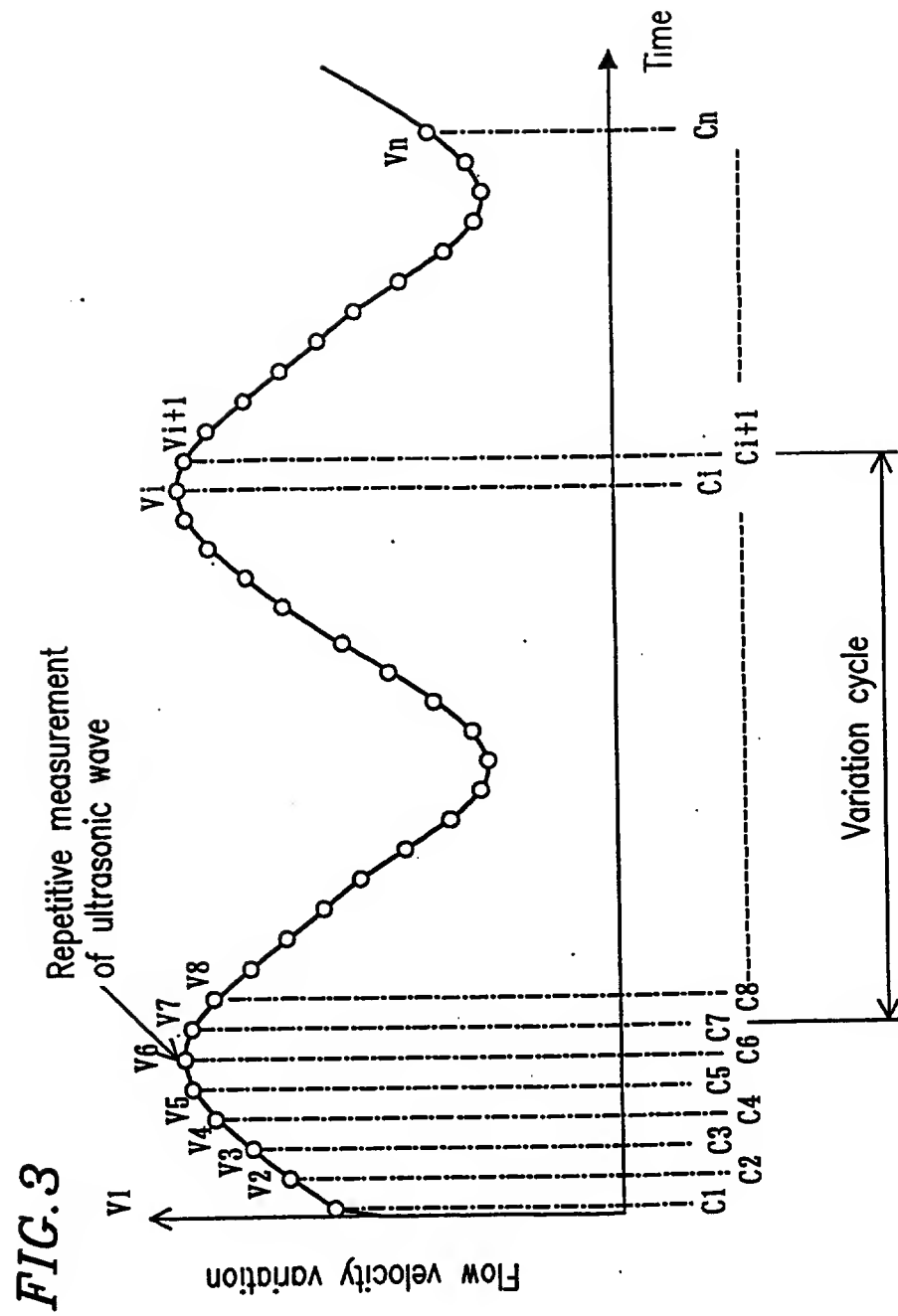


FIG. 4

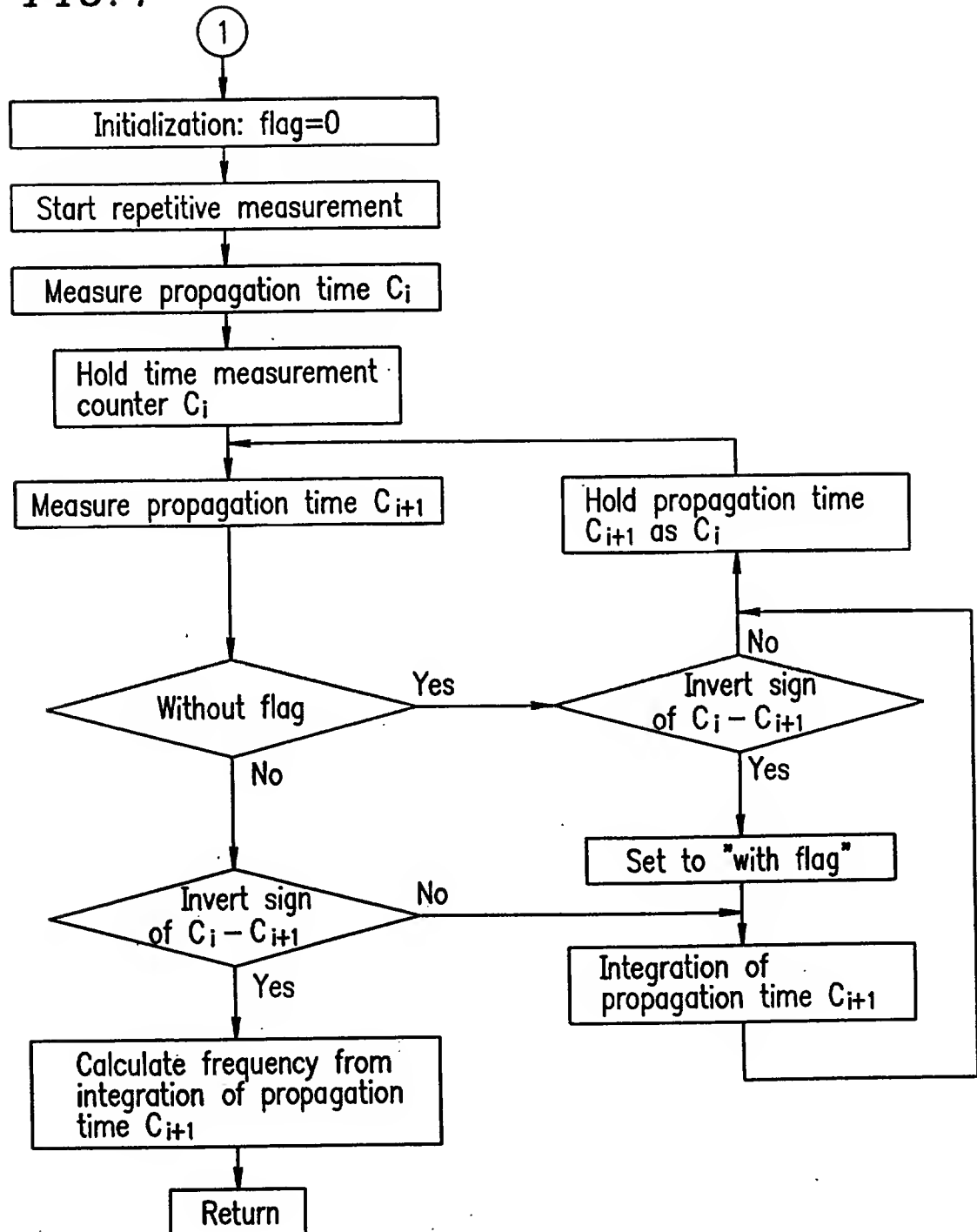


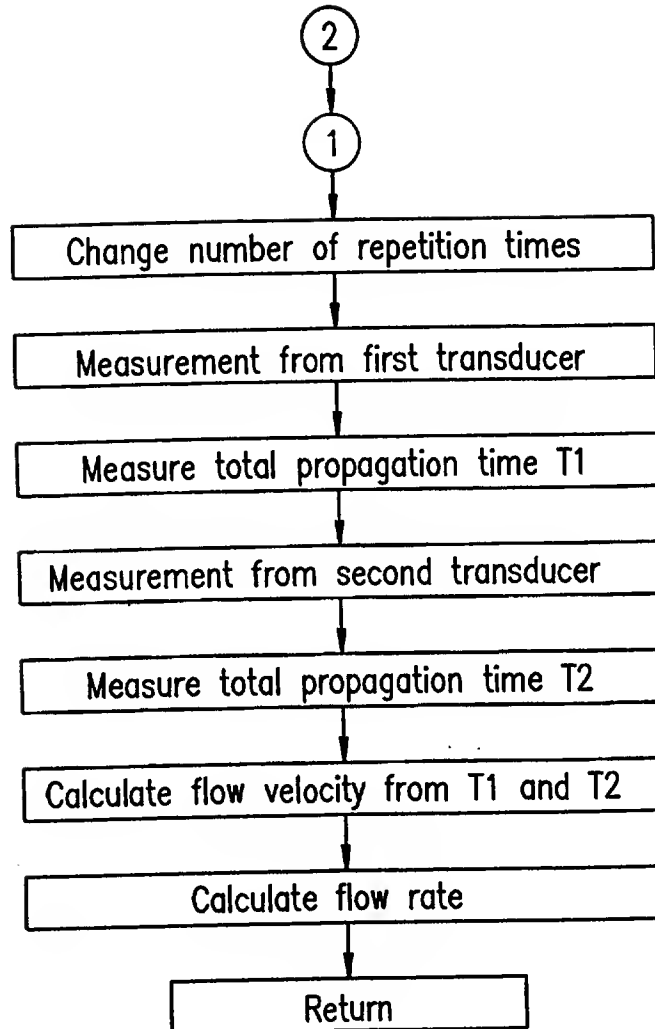
FIG. 5

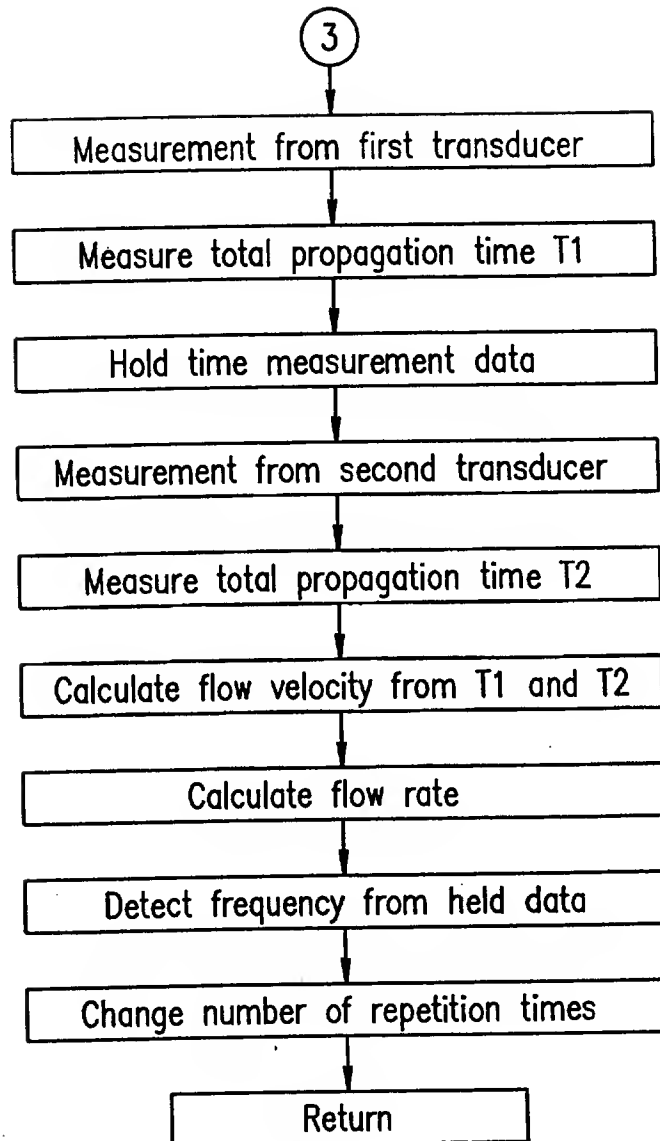
FIG. 6

FIG. 7

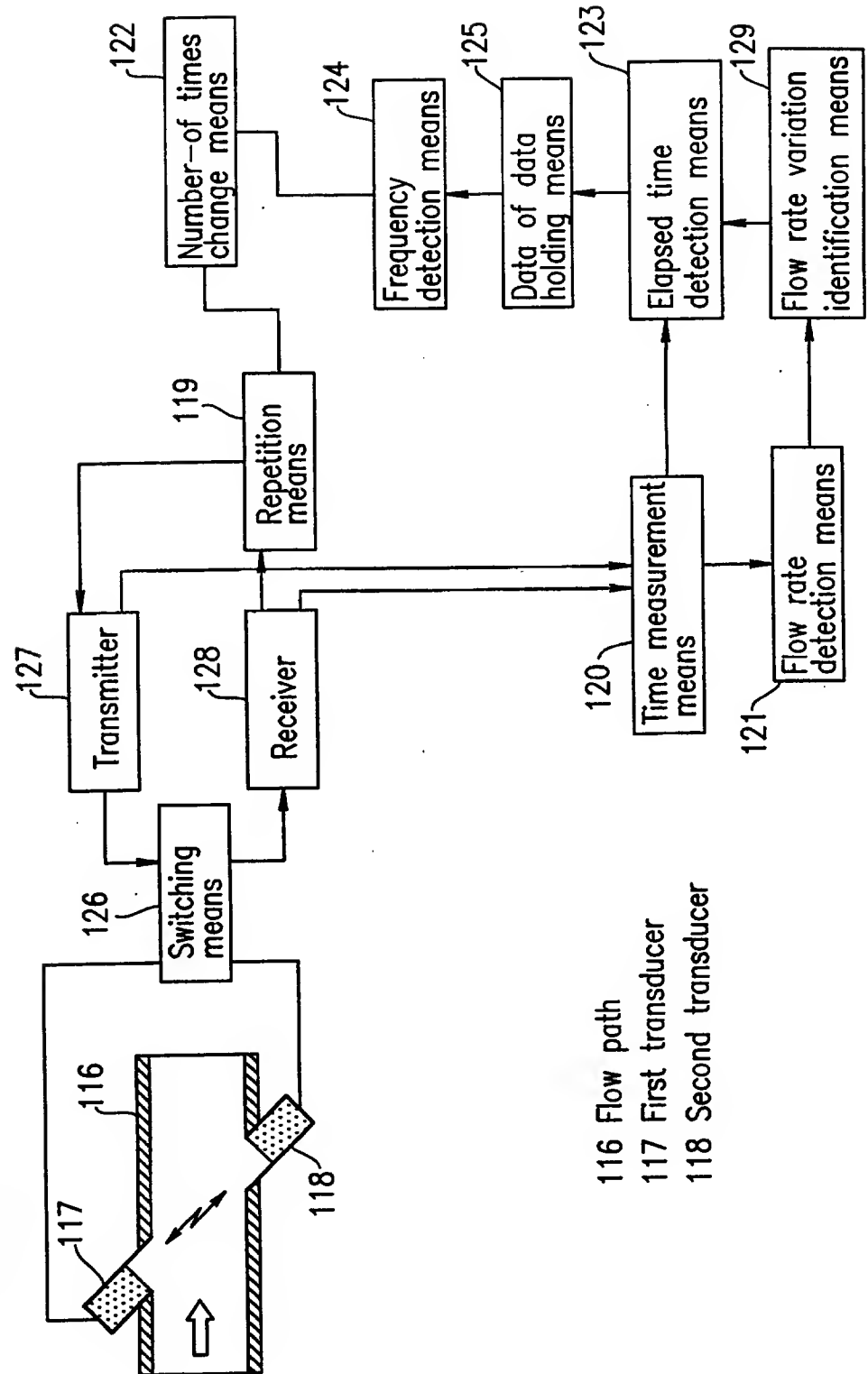


FIG. 8

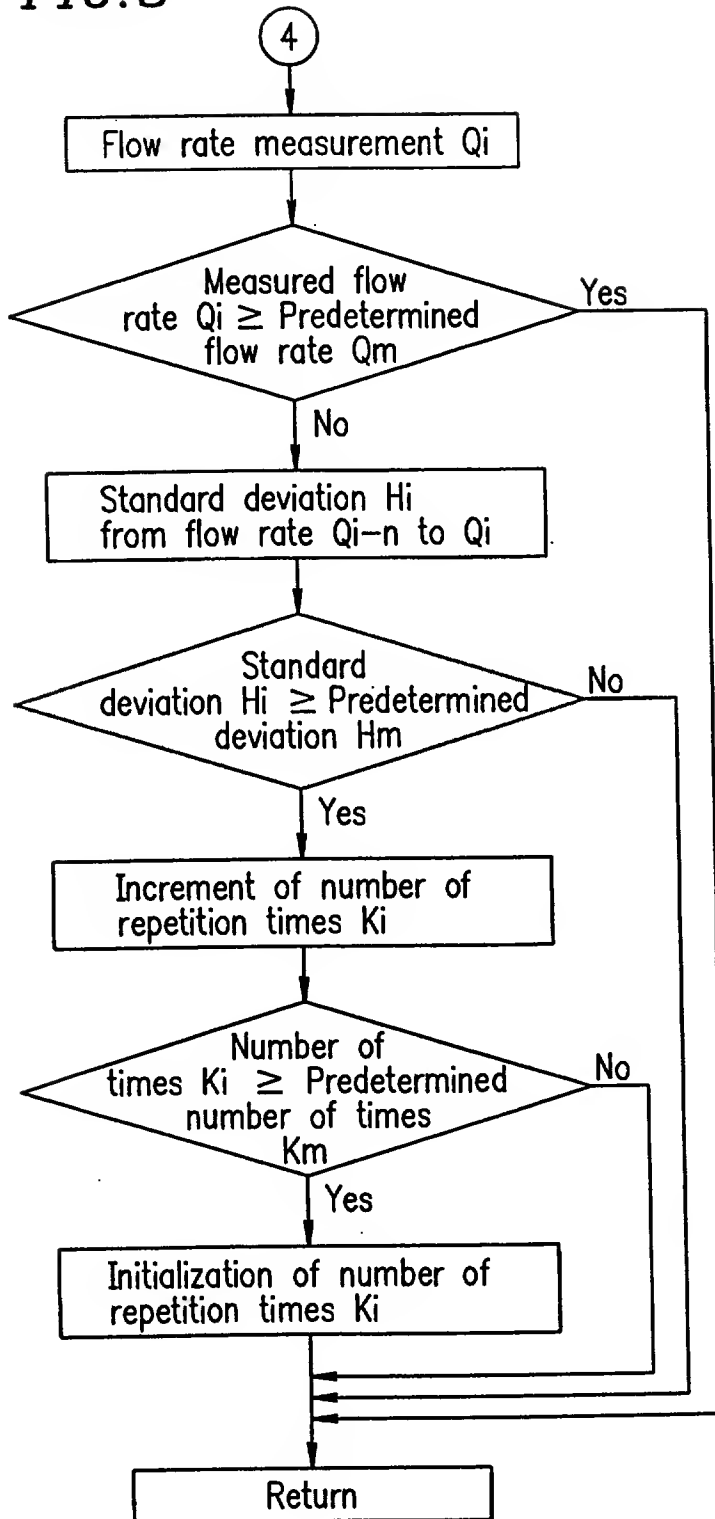


FIG. 9

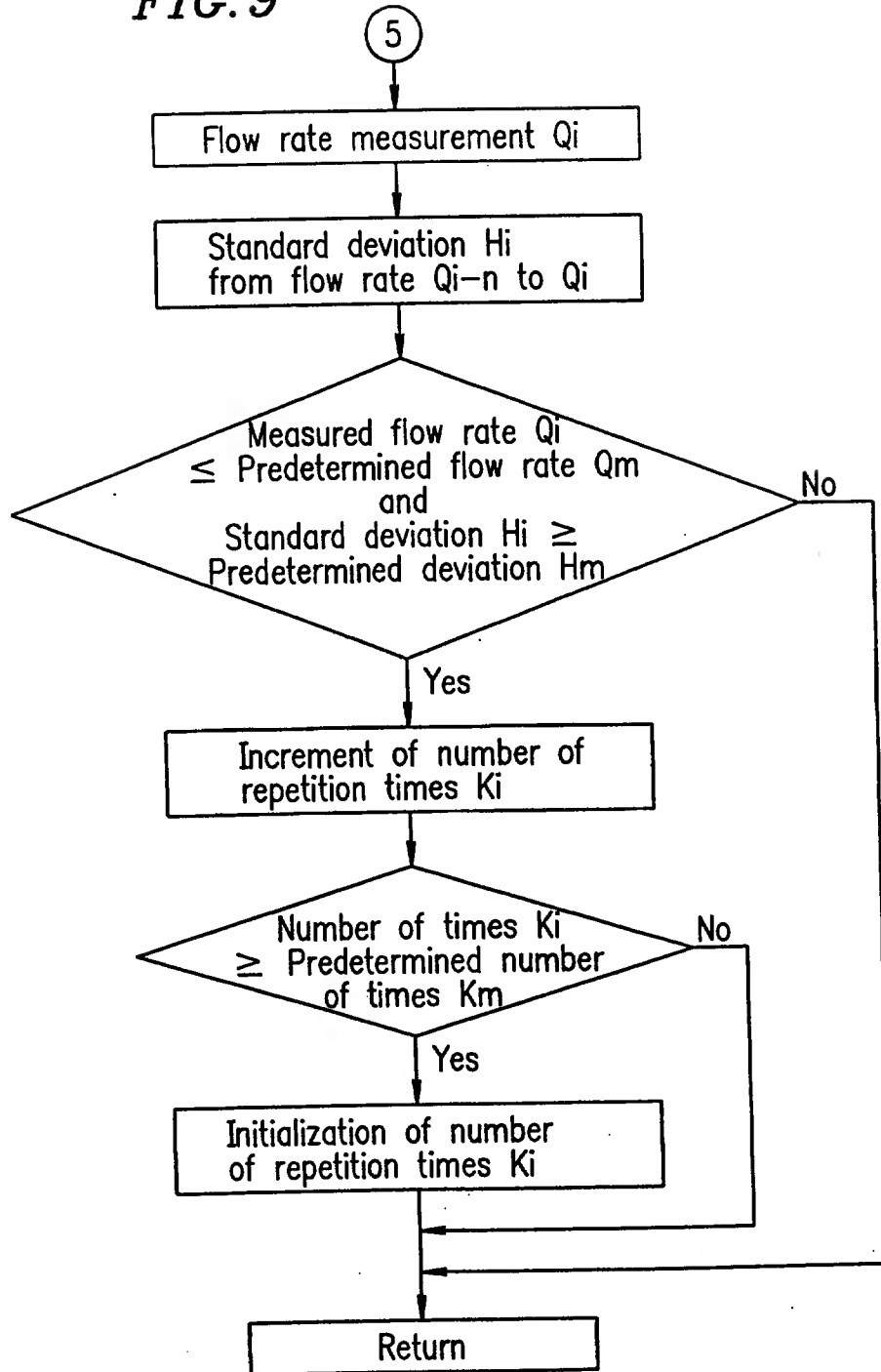


FIG. 10

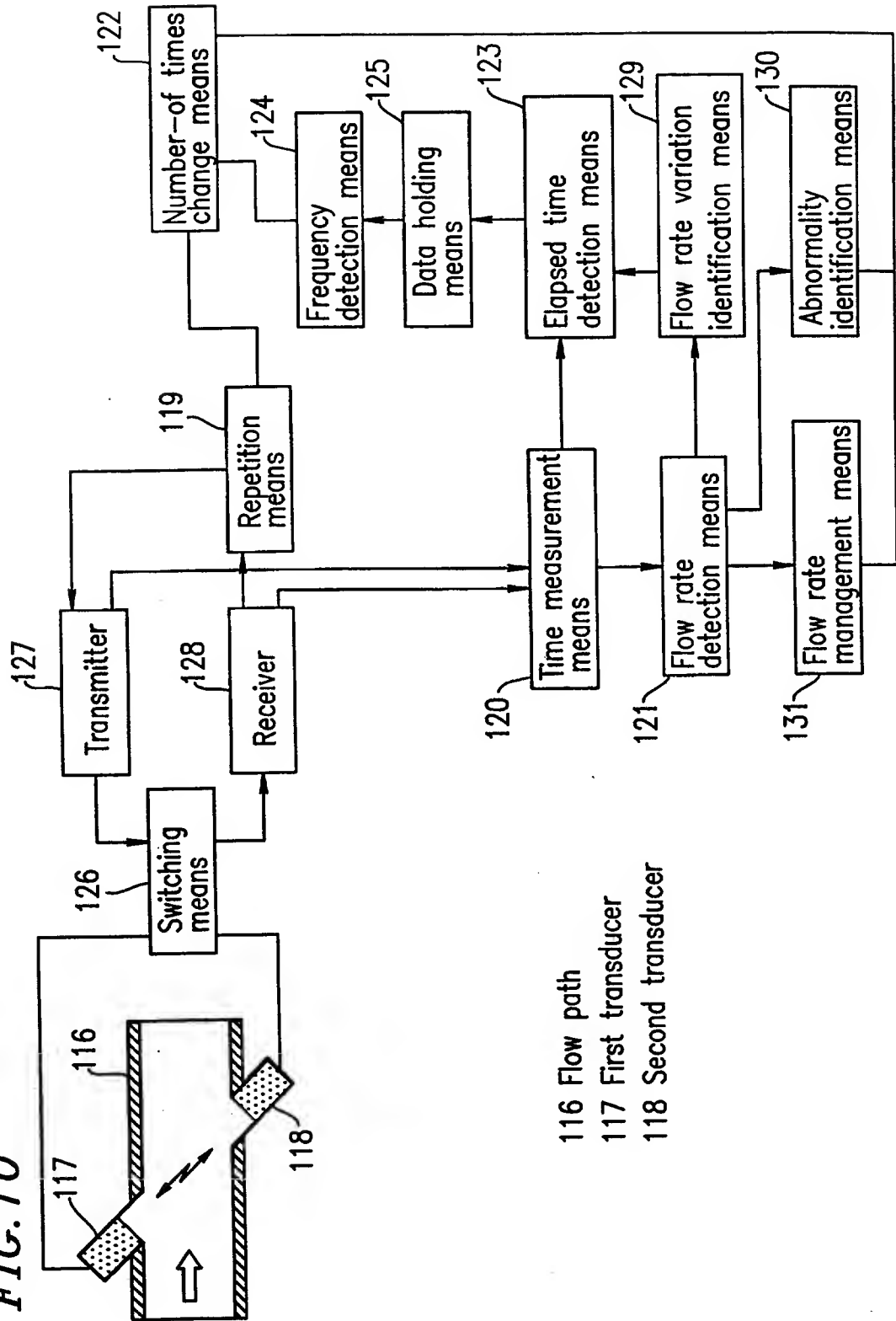


FIG. 11

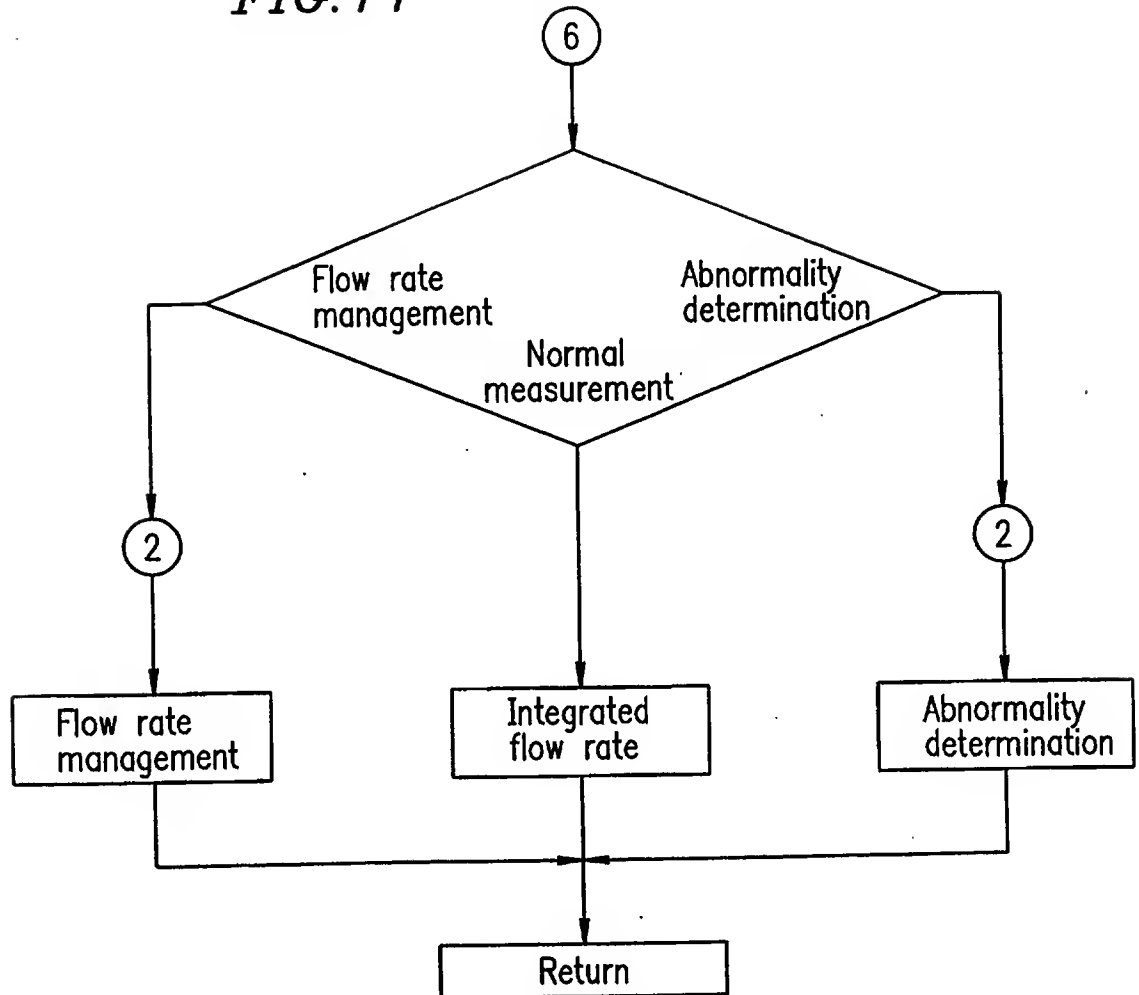
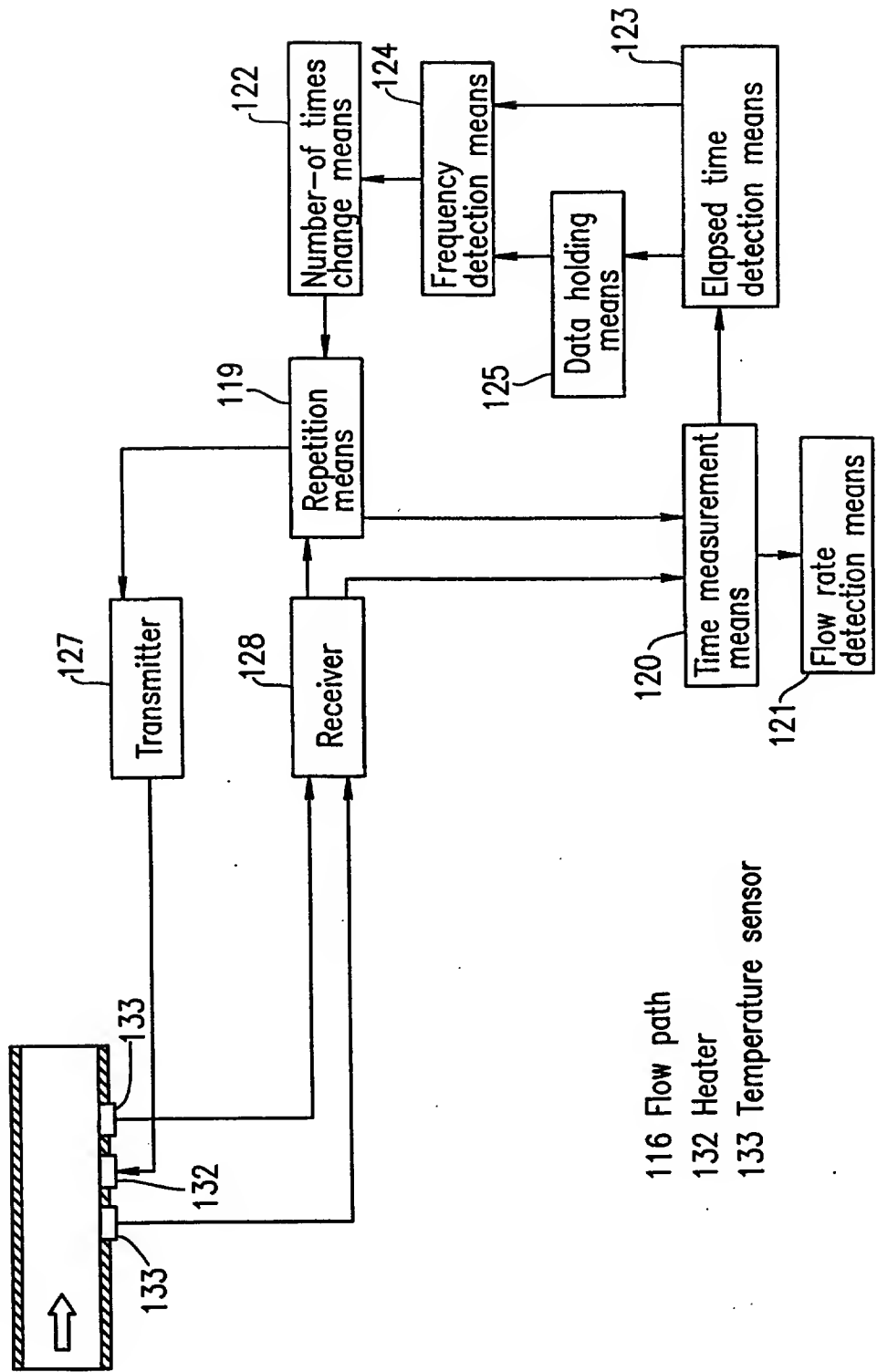


FIG. 12



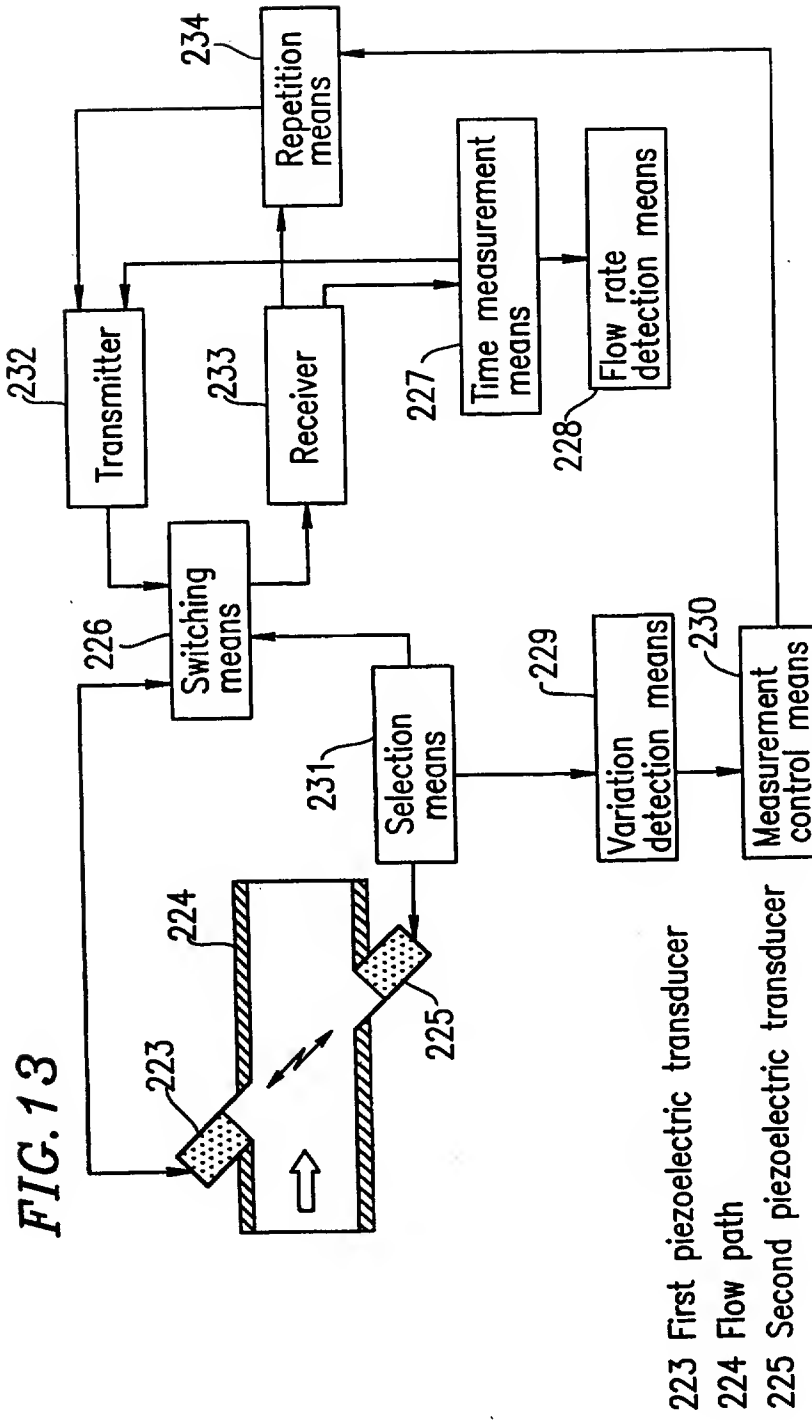


FIG. 14

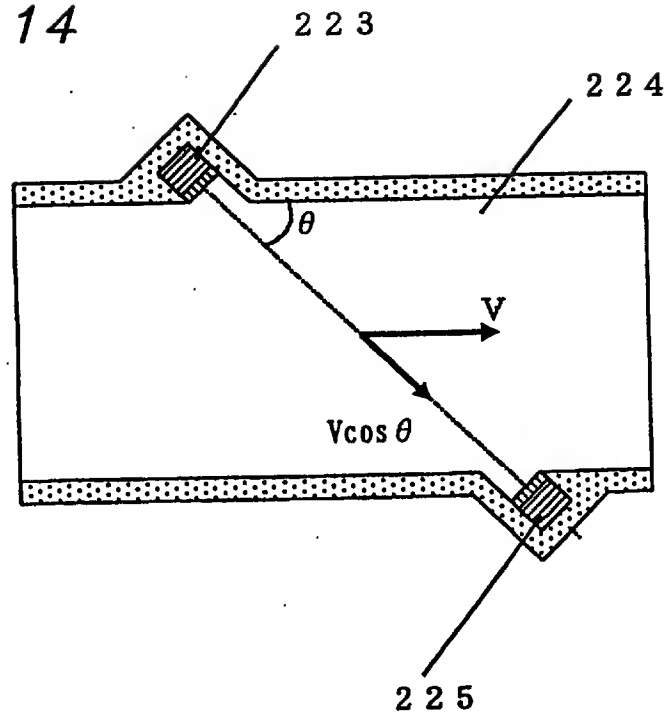
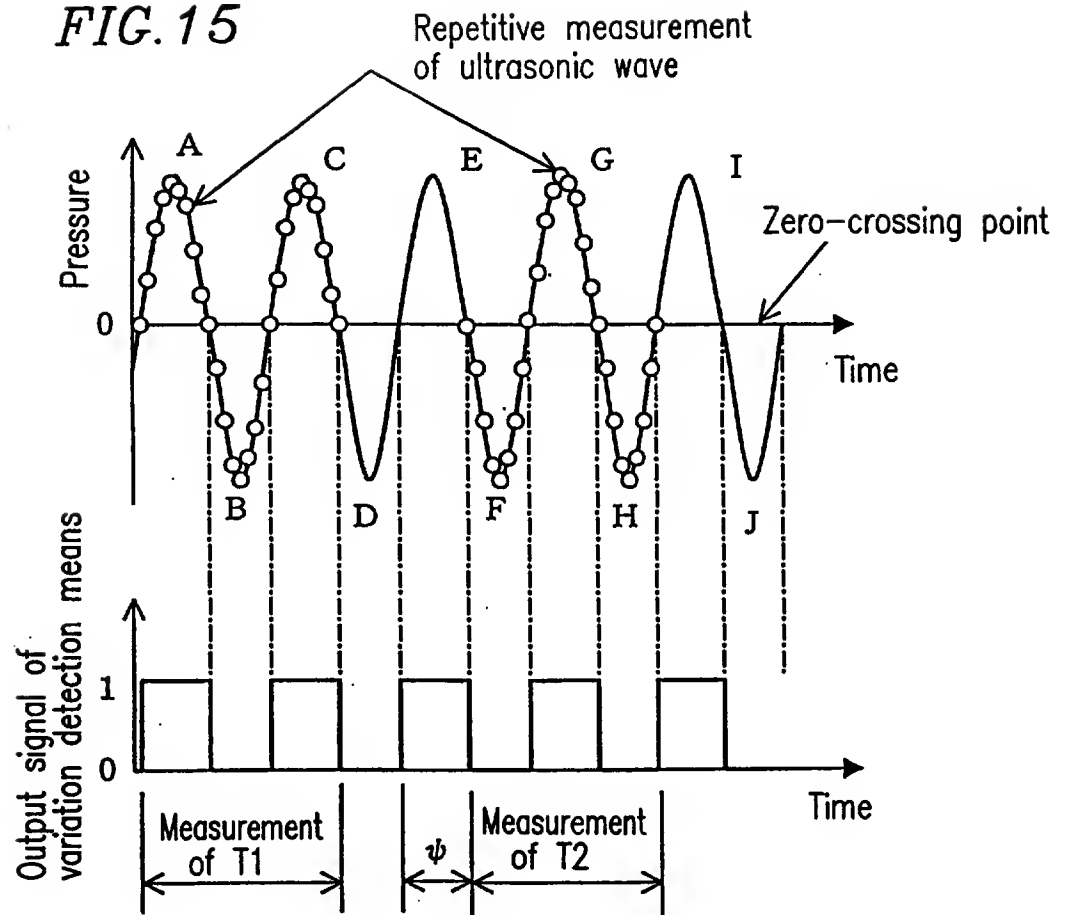


FIG. 15



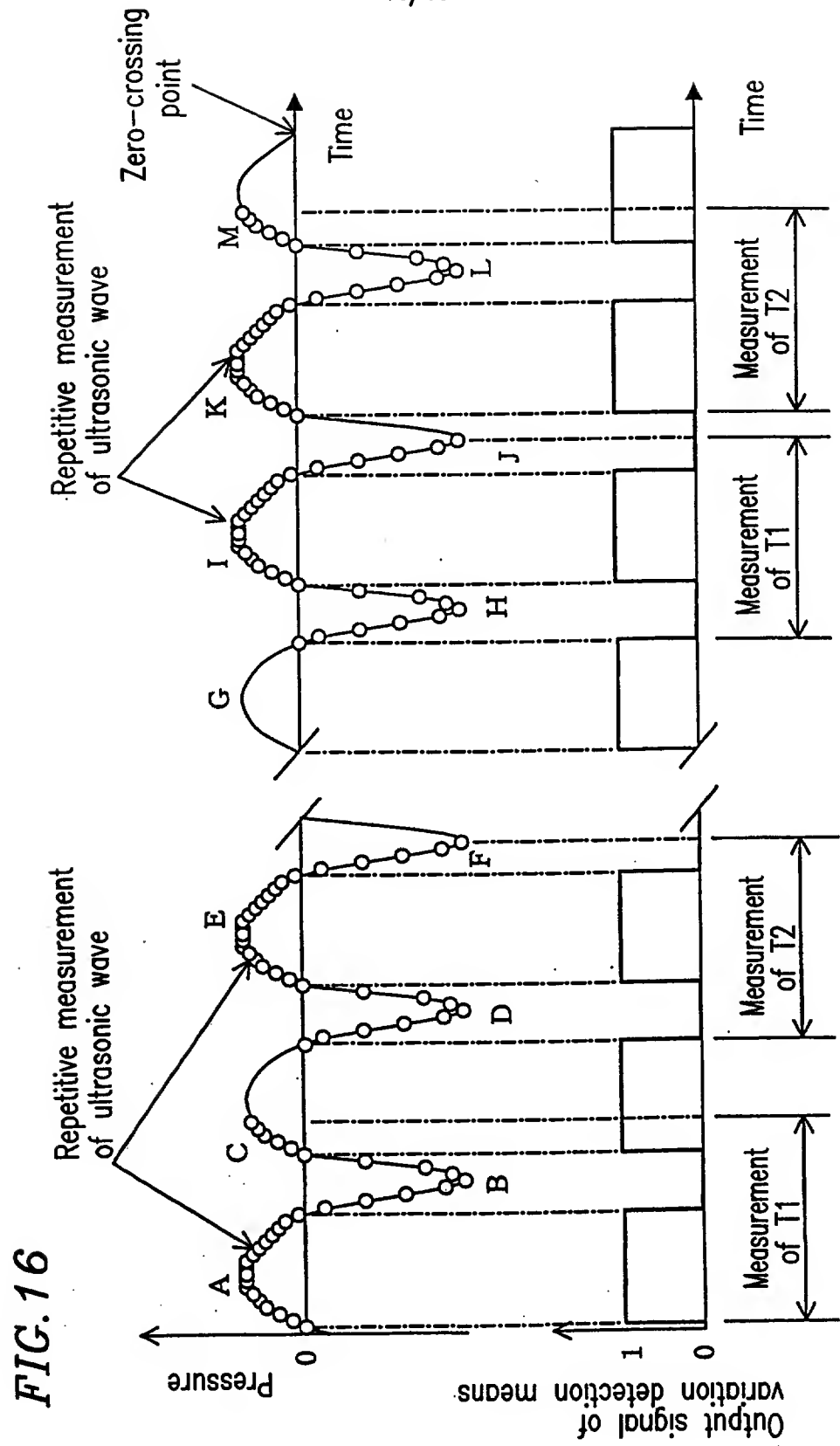


FIG. 16

FIG. 17

⑦

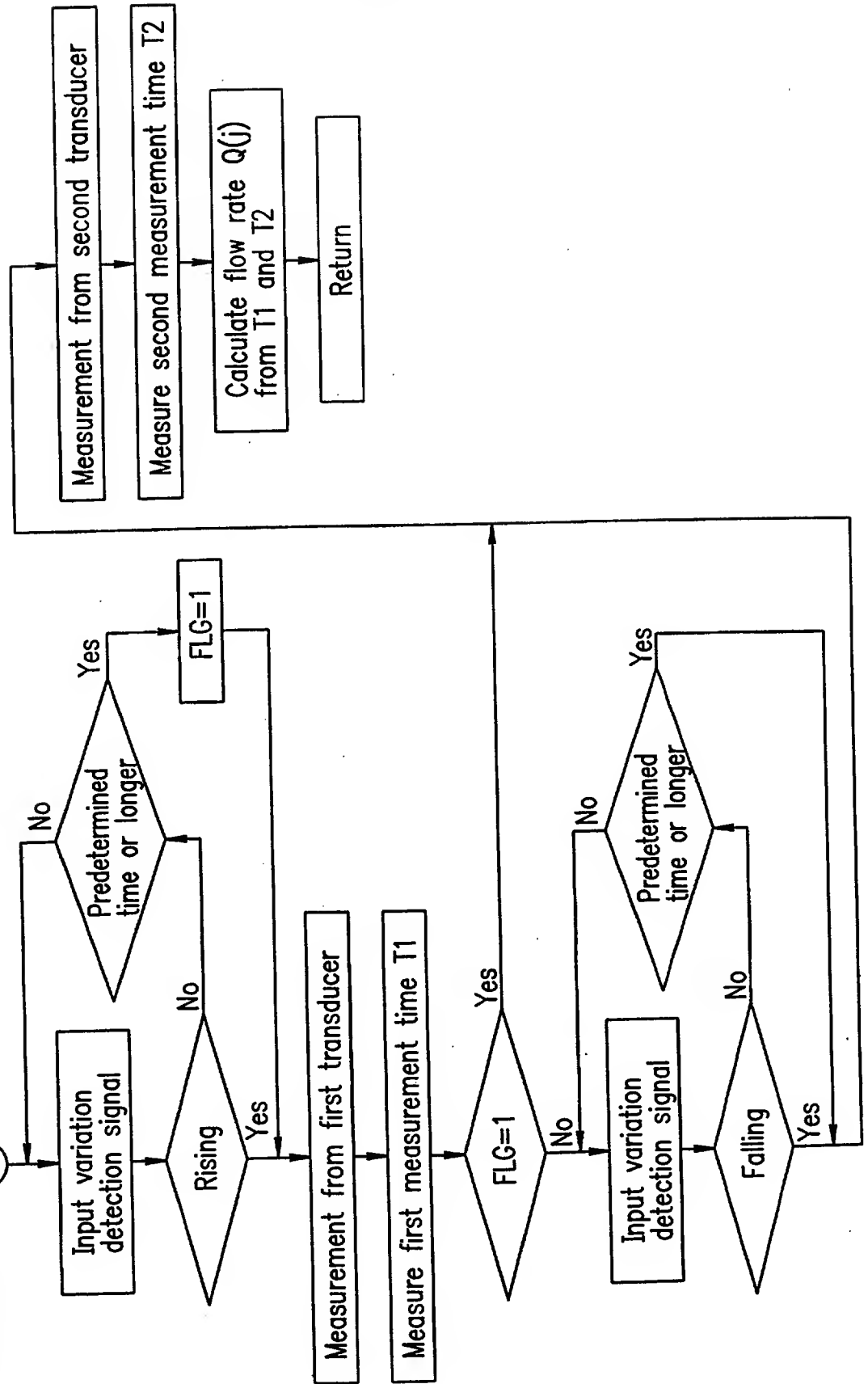


FIG. 18

8

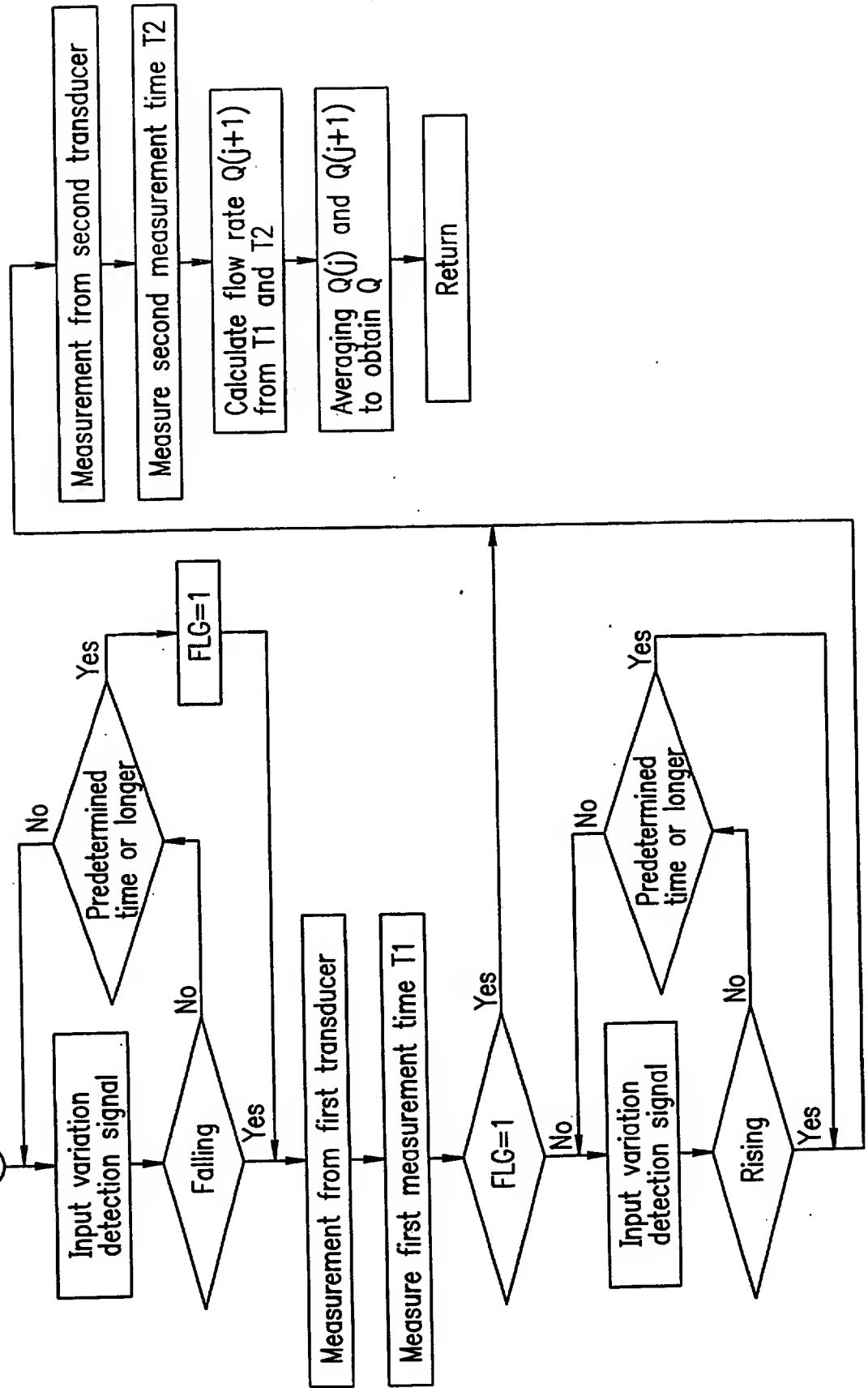


FIG. 20

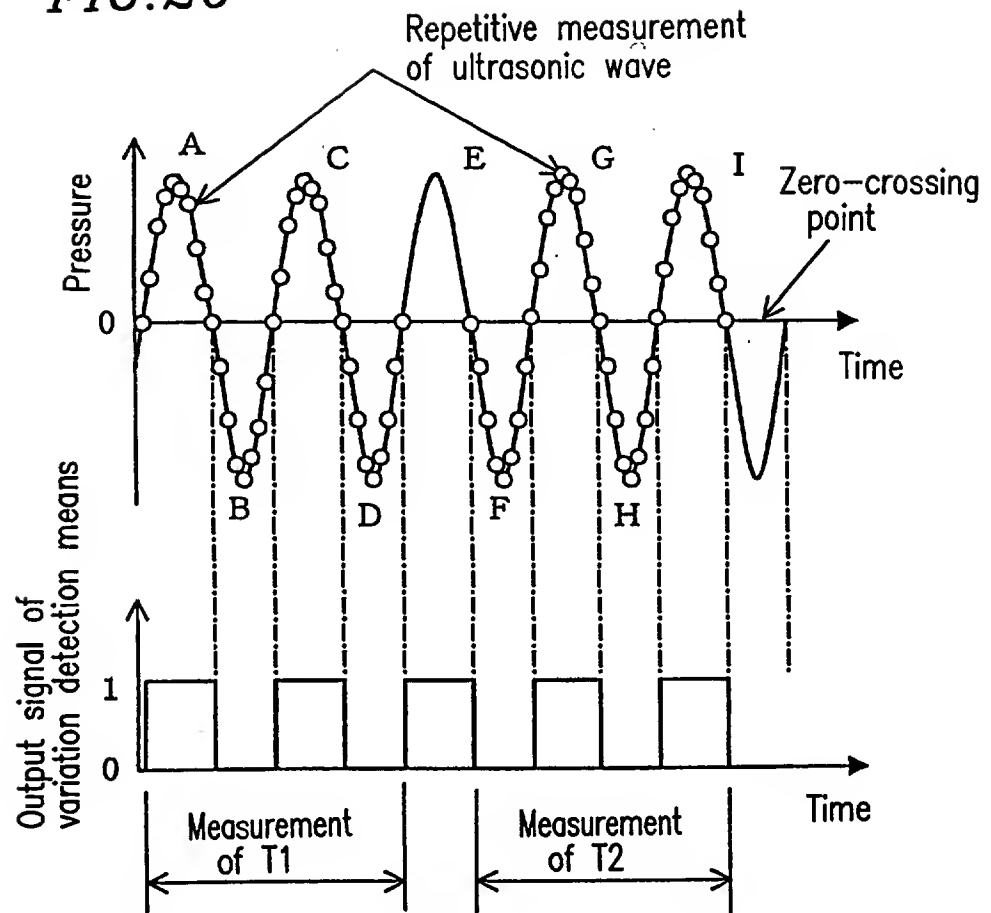


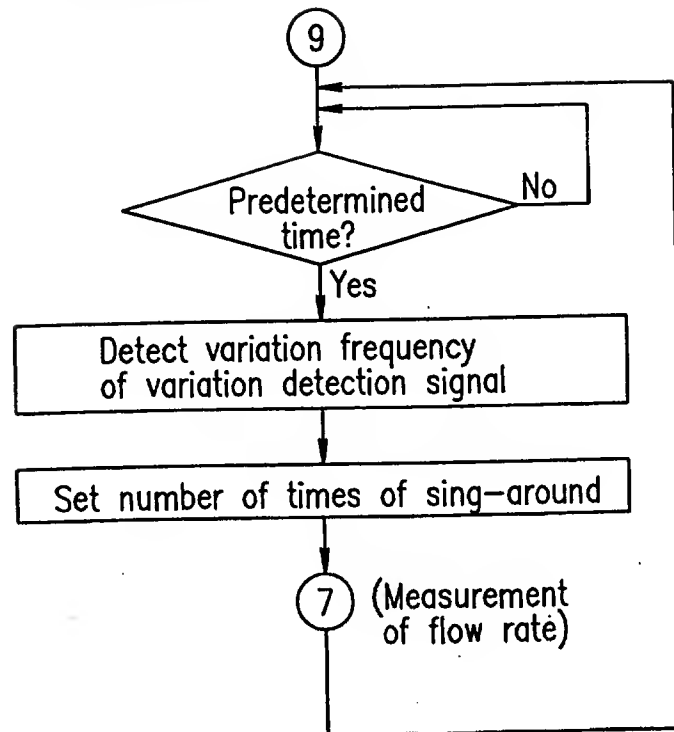
FIG. 21

FIG. 22

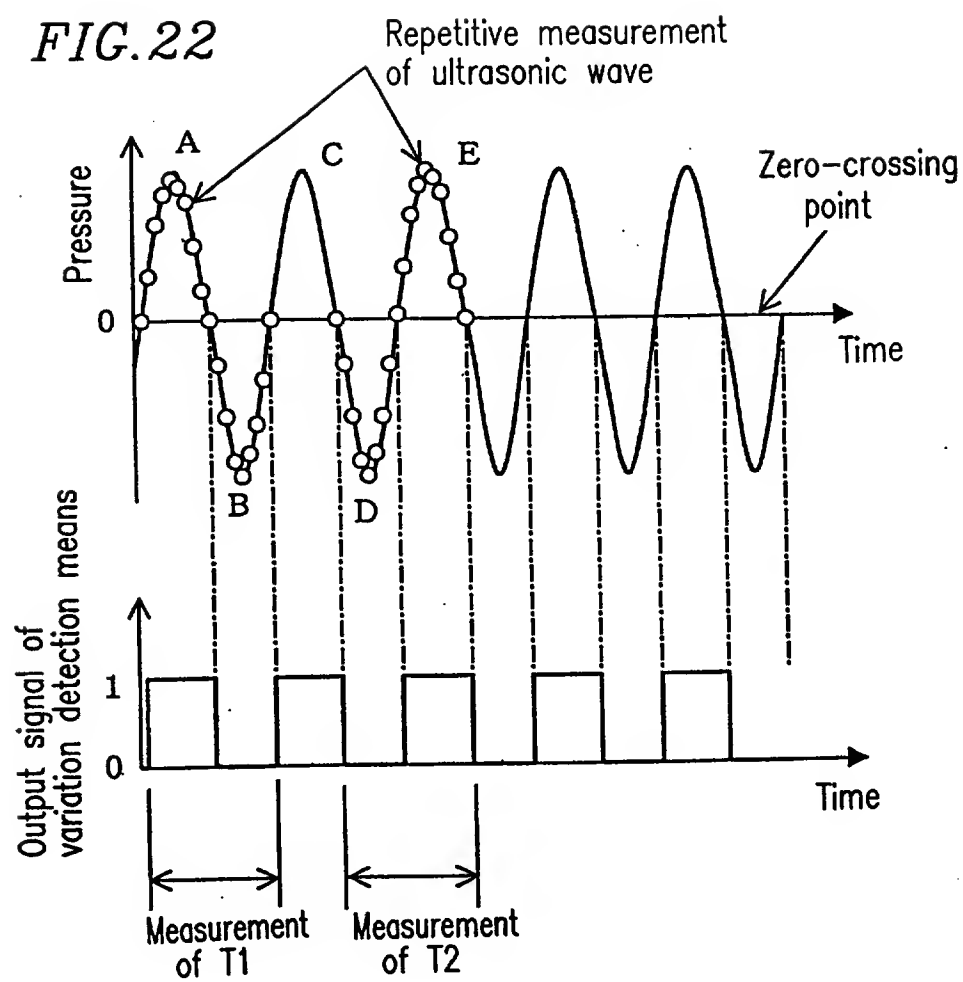
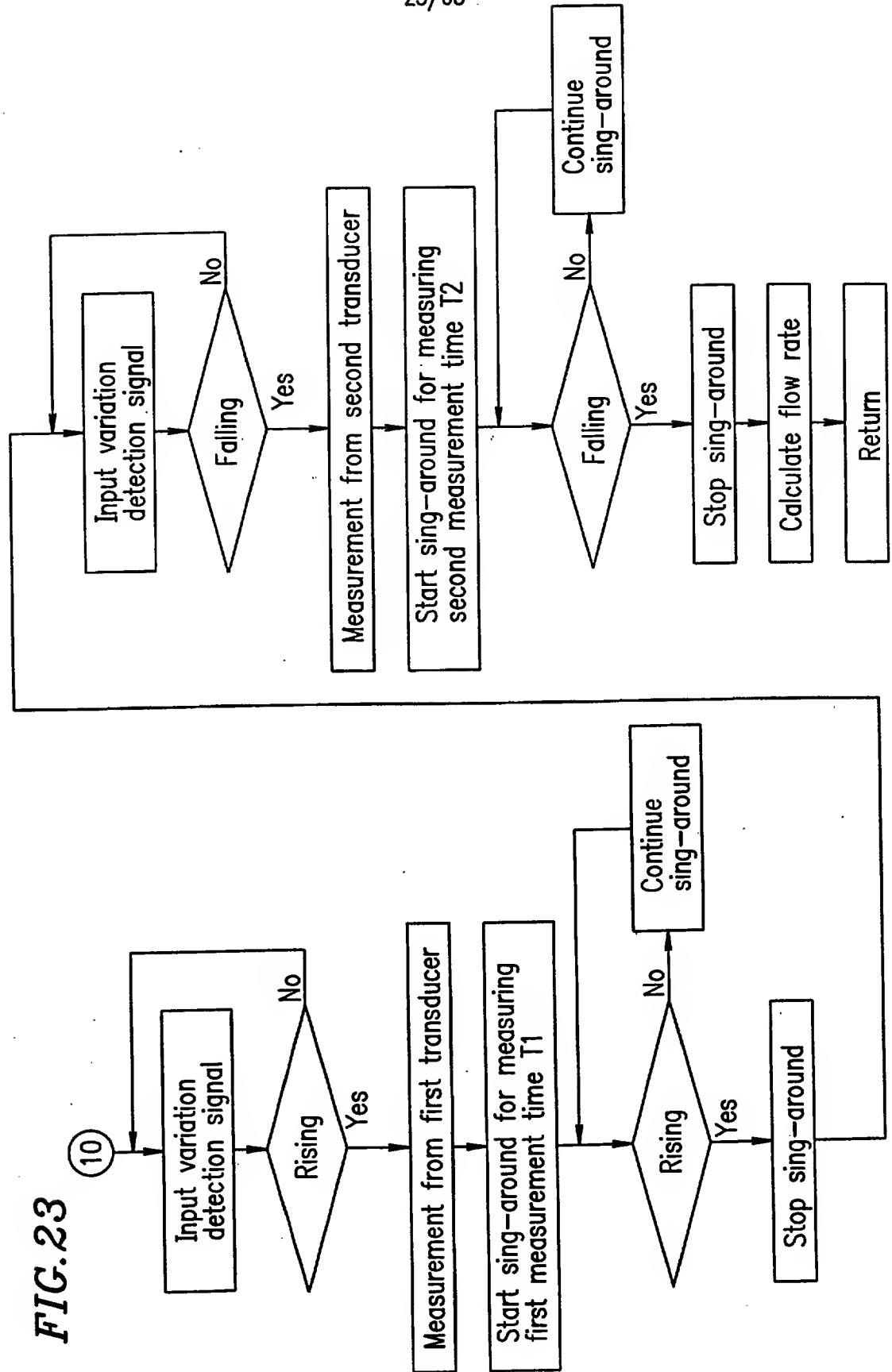


FIG. 23



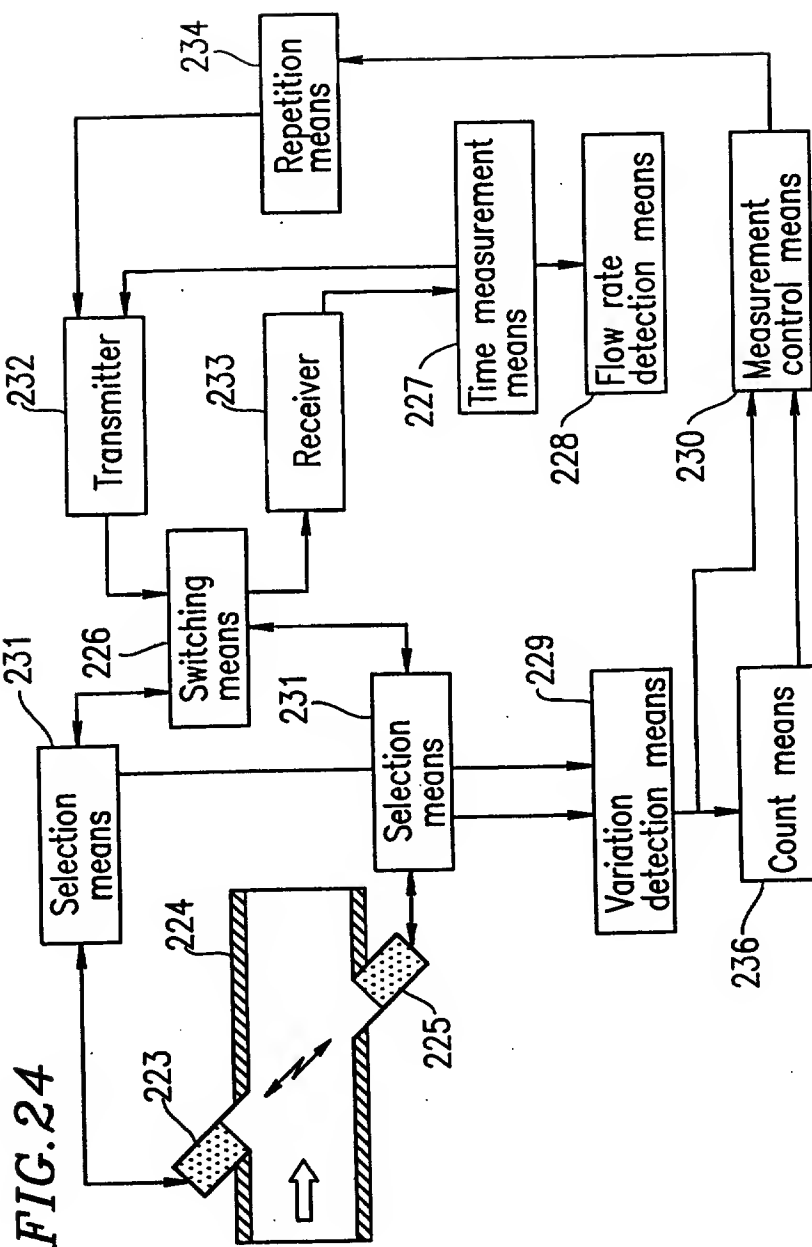
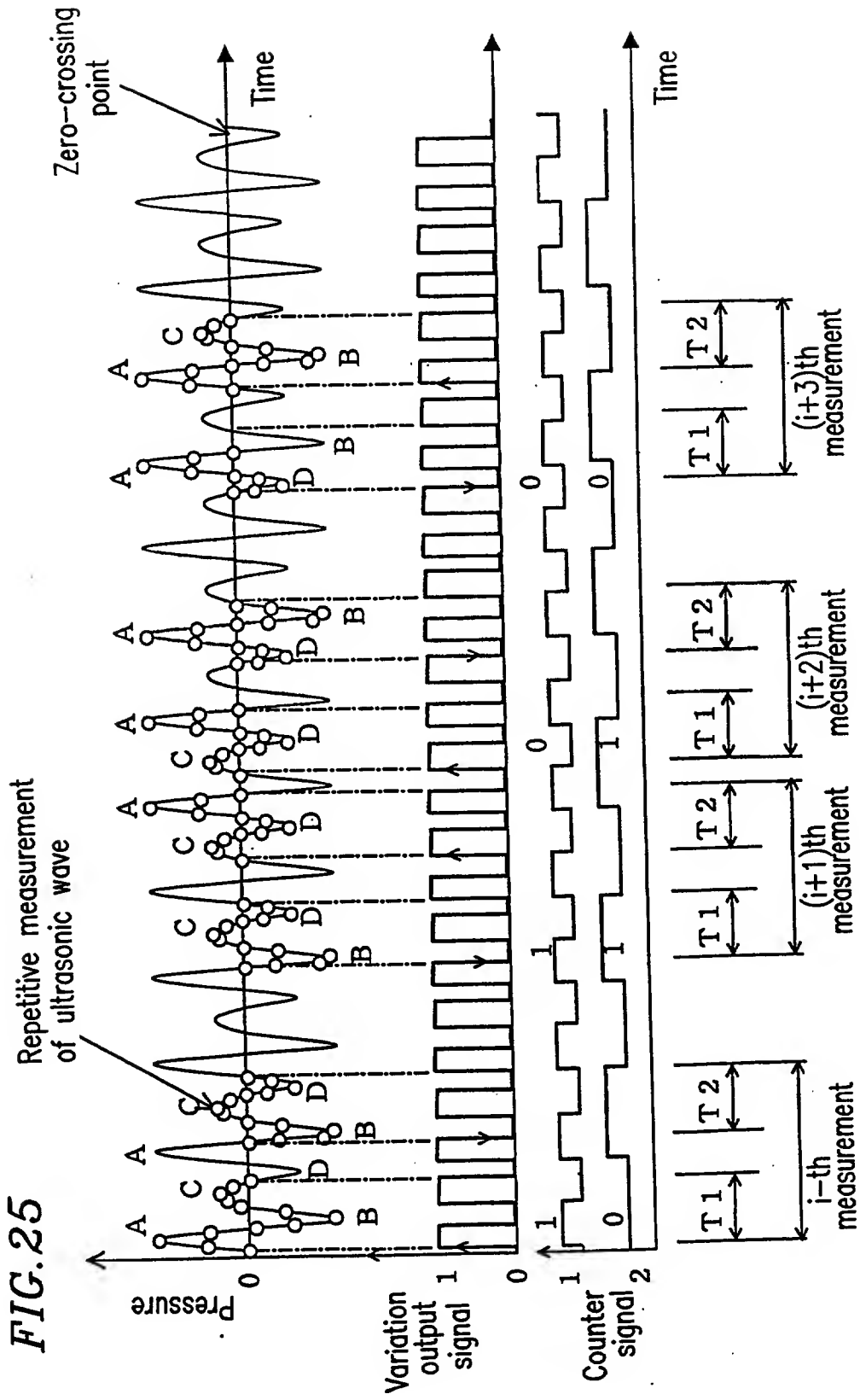


FIG. 25



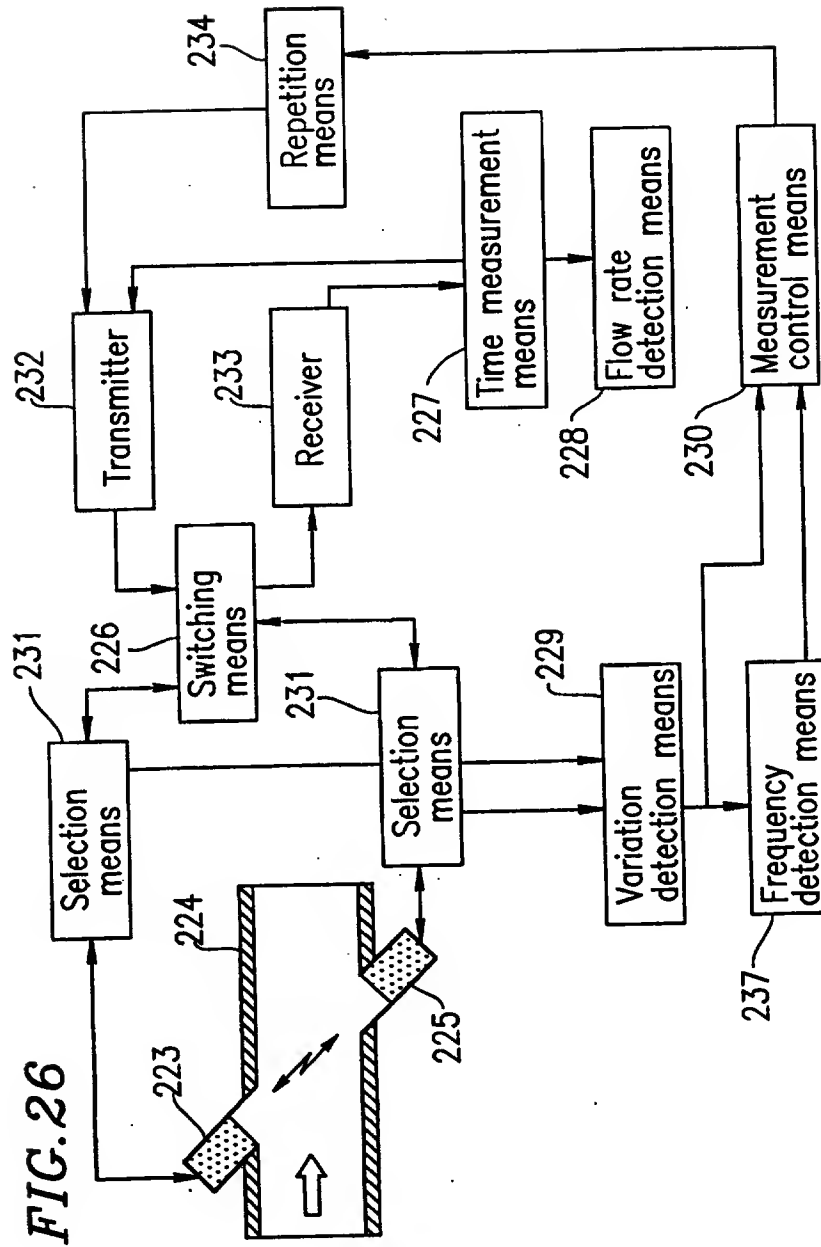
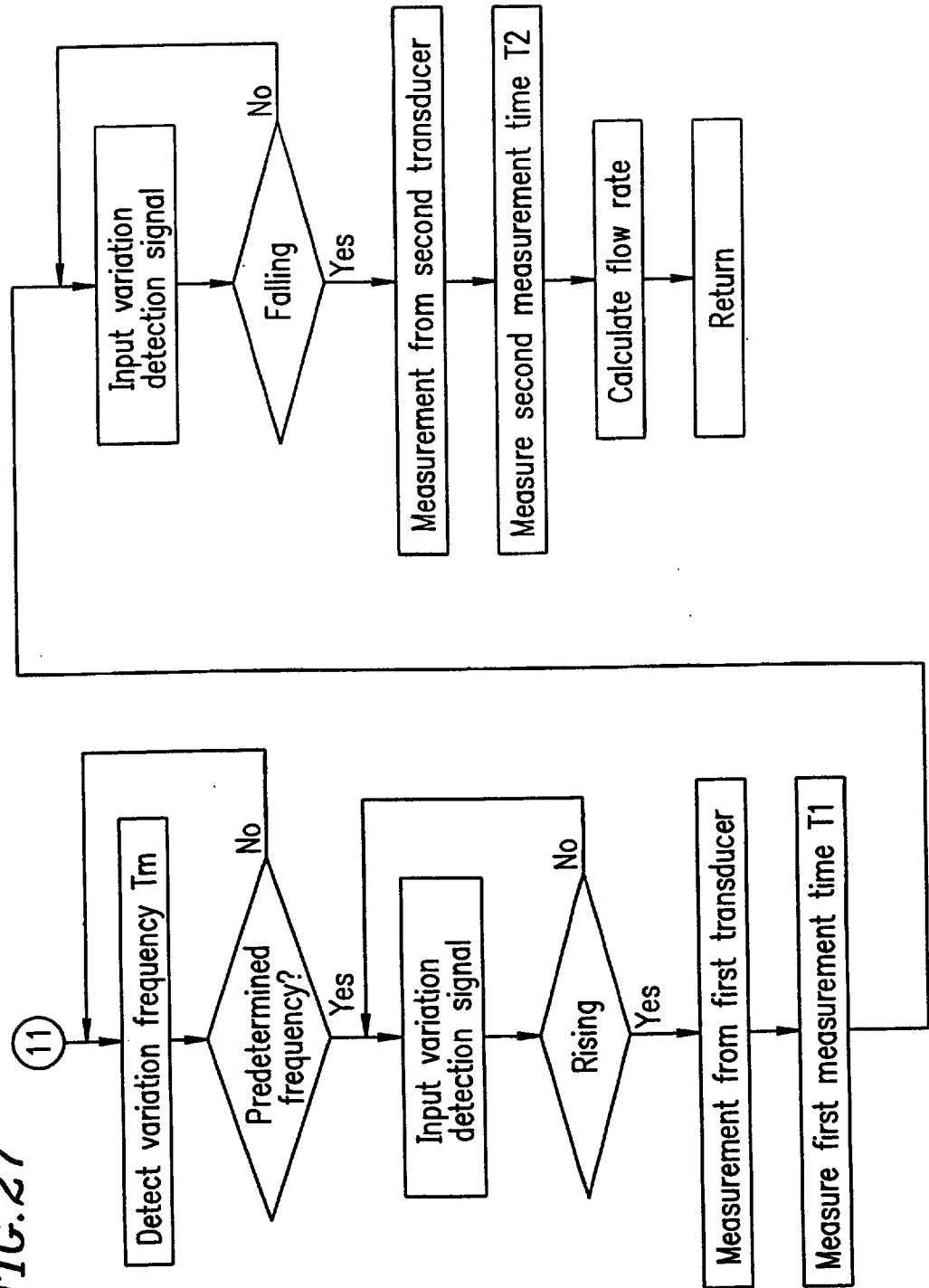
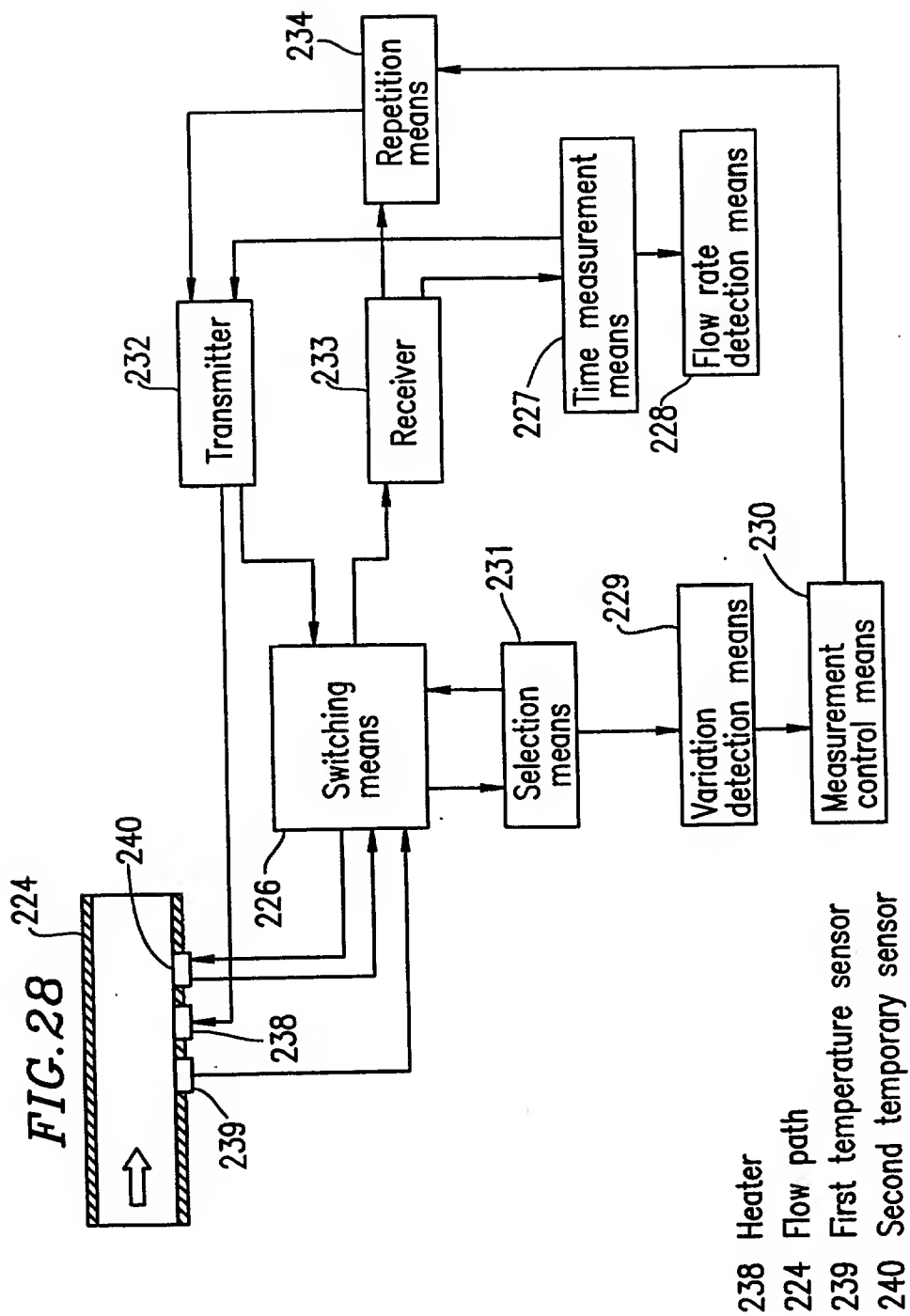
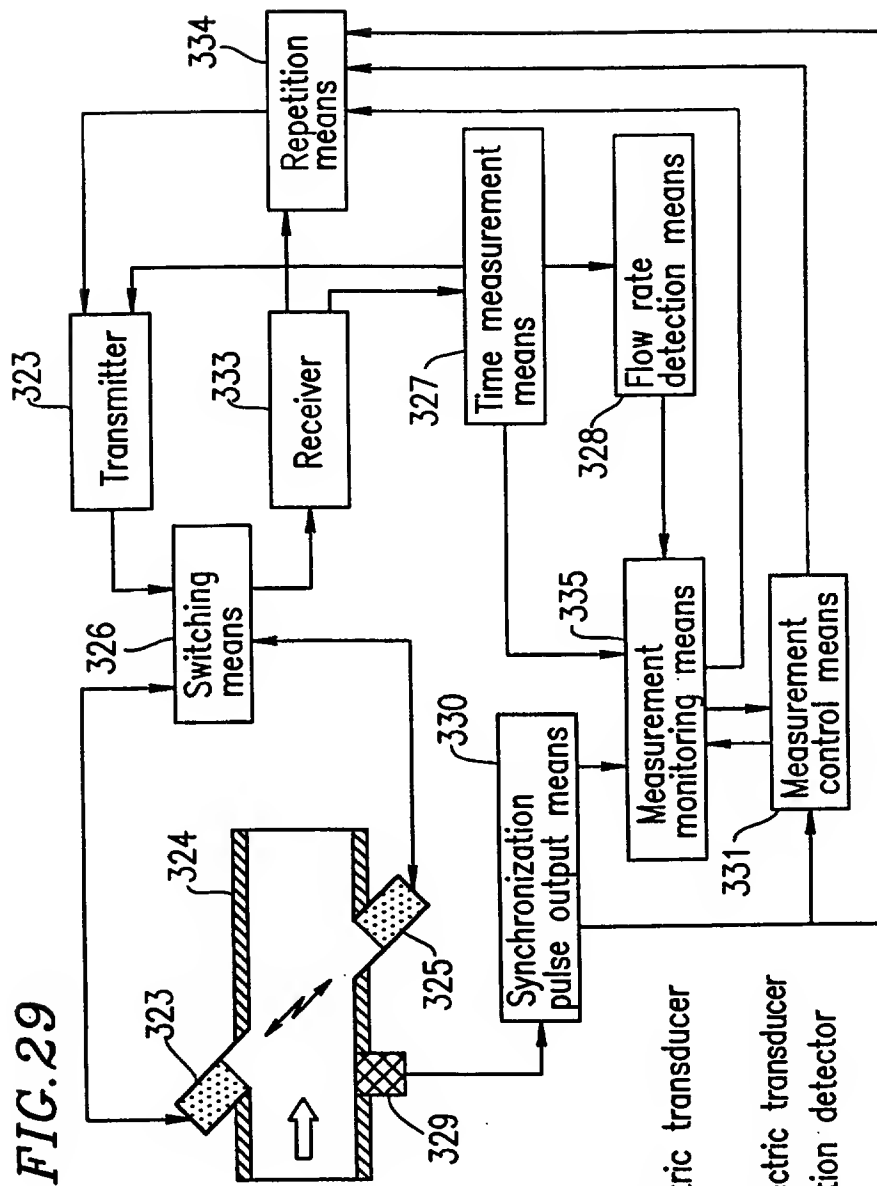


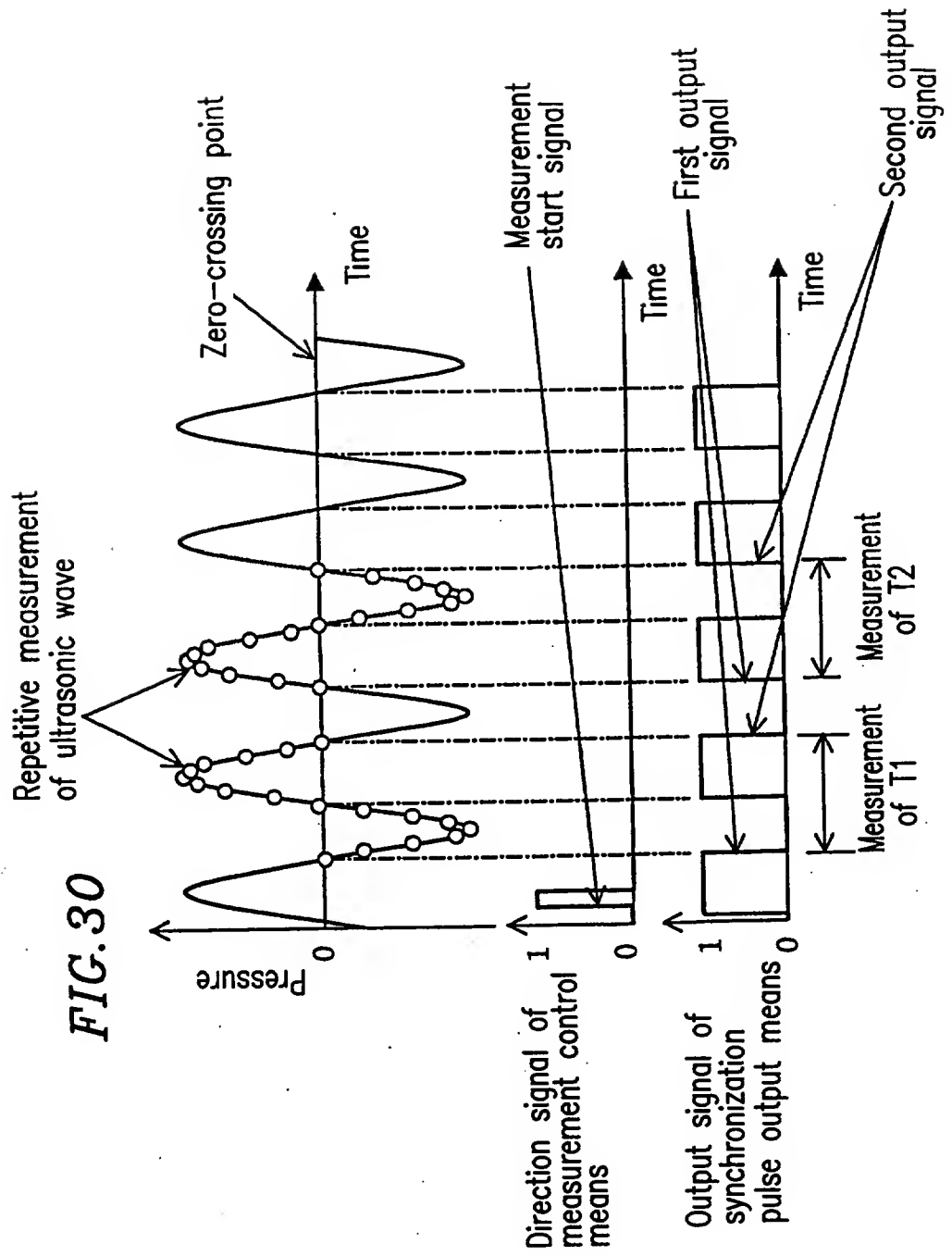
FIG. 27

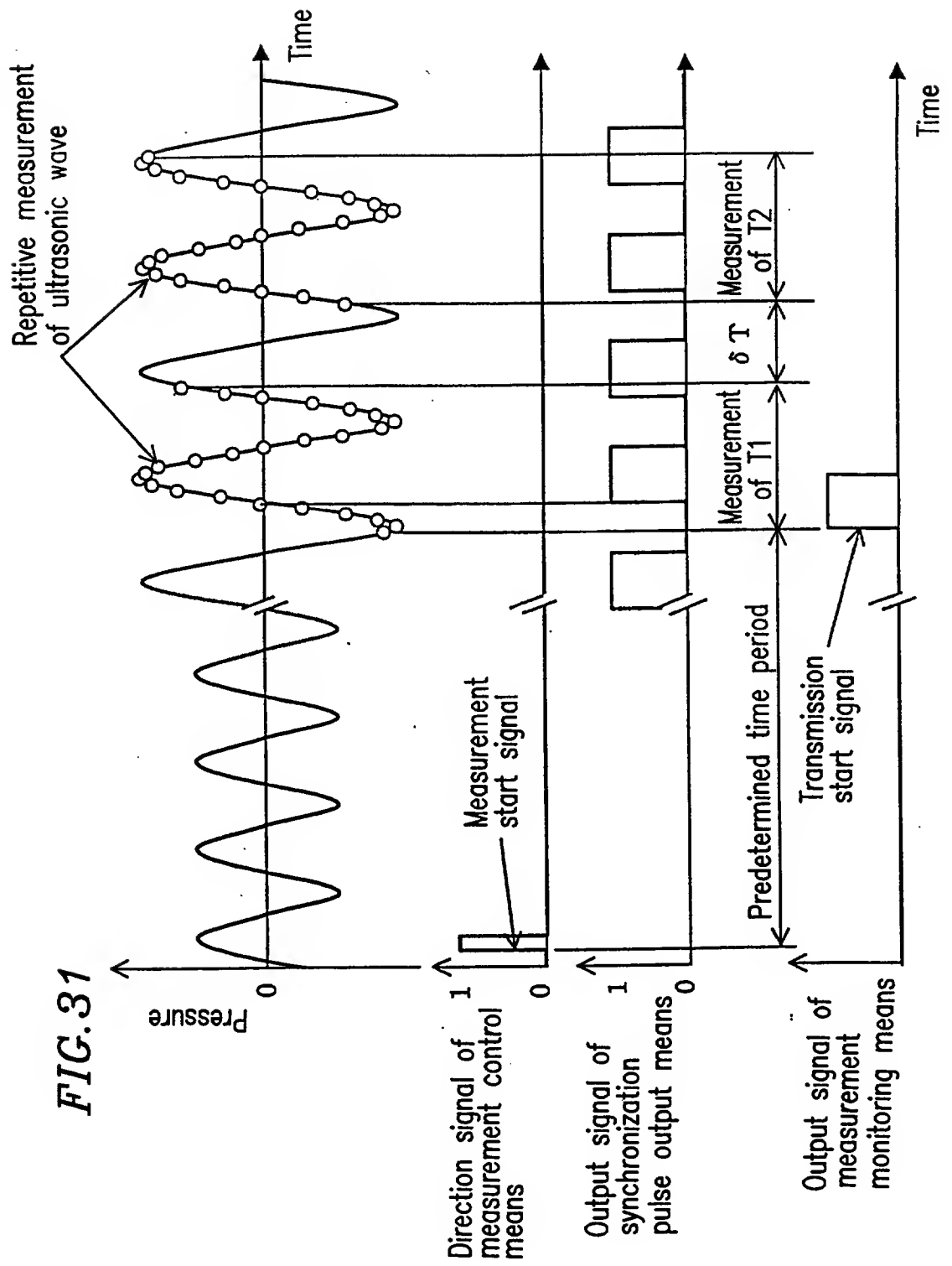


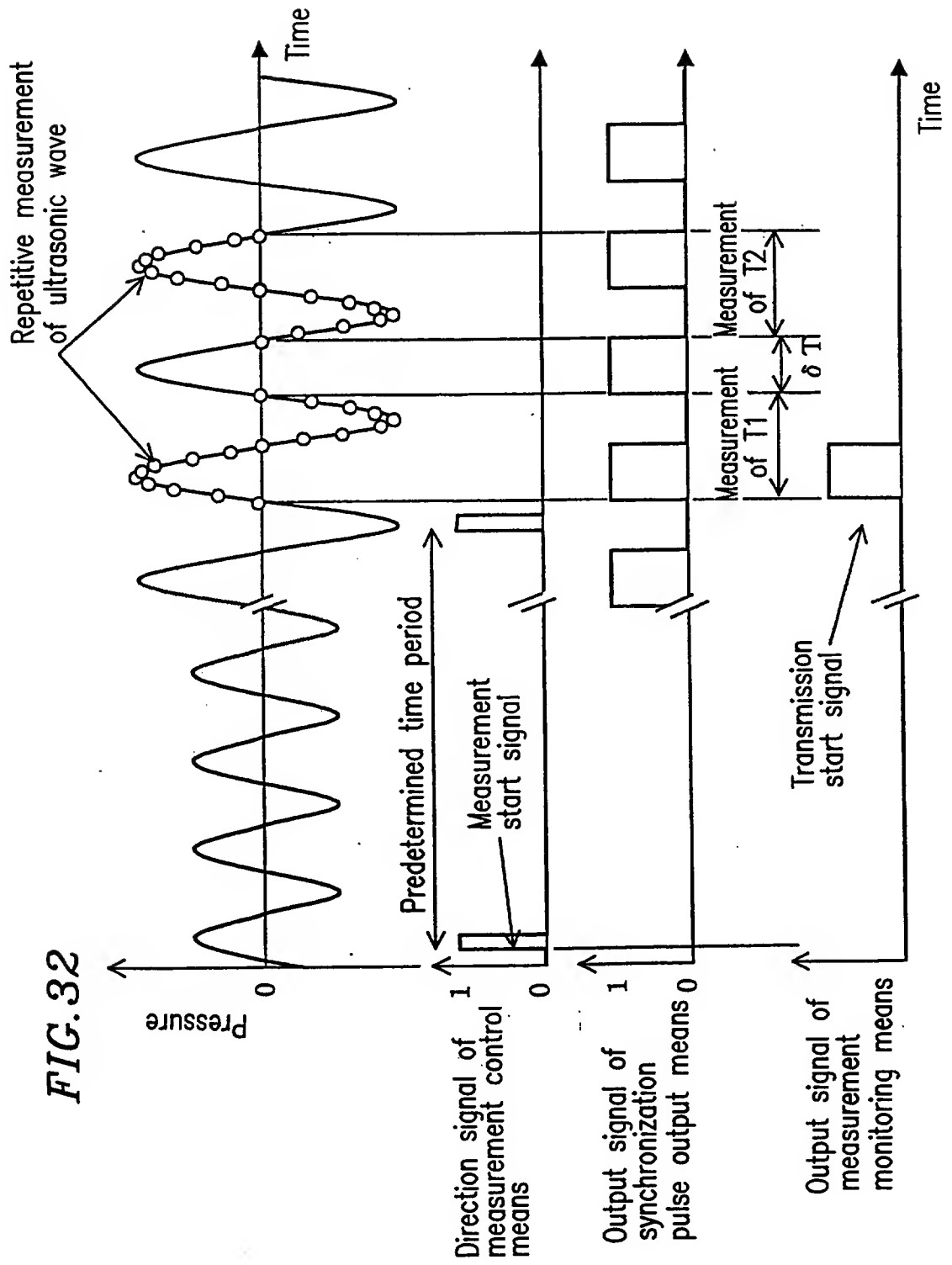




- 323 First piezoelectric transducer
- 324 Flow path
- 325 Second piezoelectric transducer
- 329 Pressure variation detector







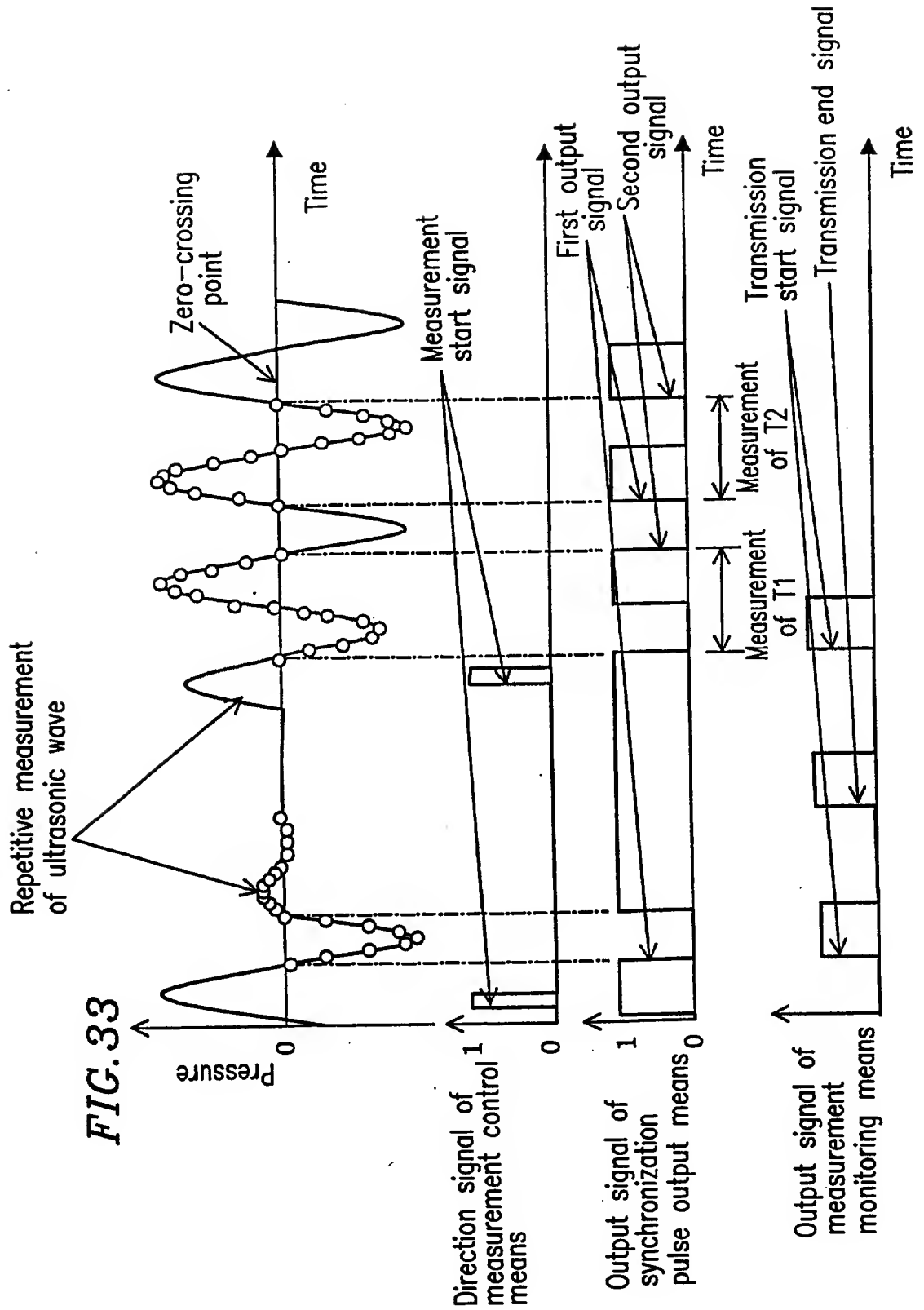


FIG. 34

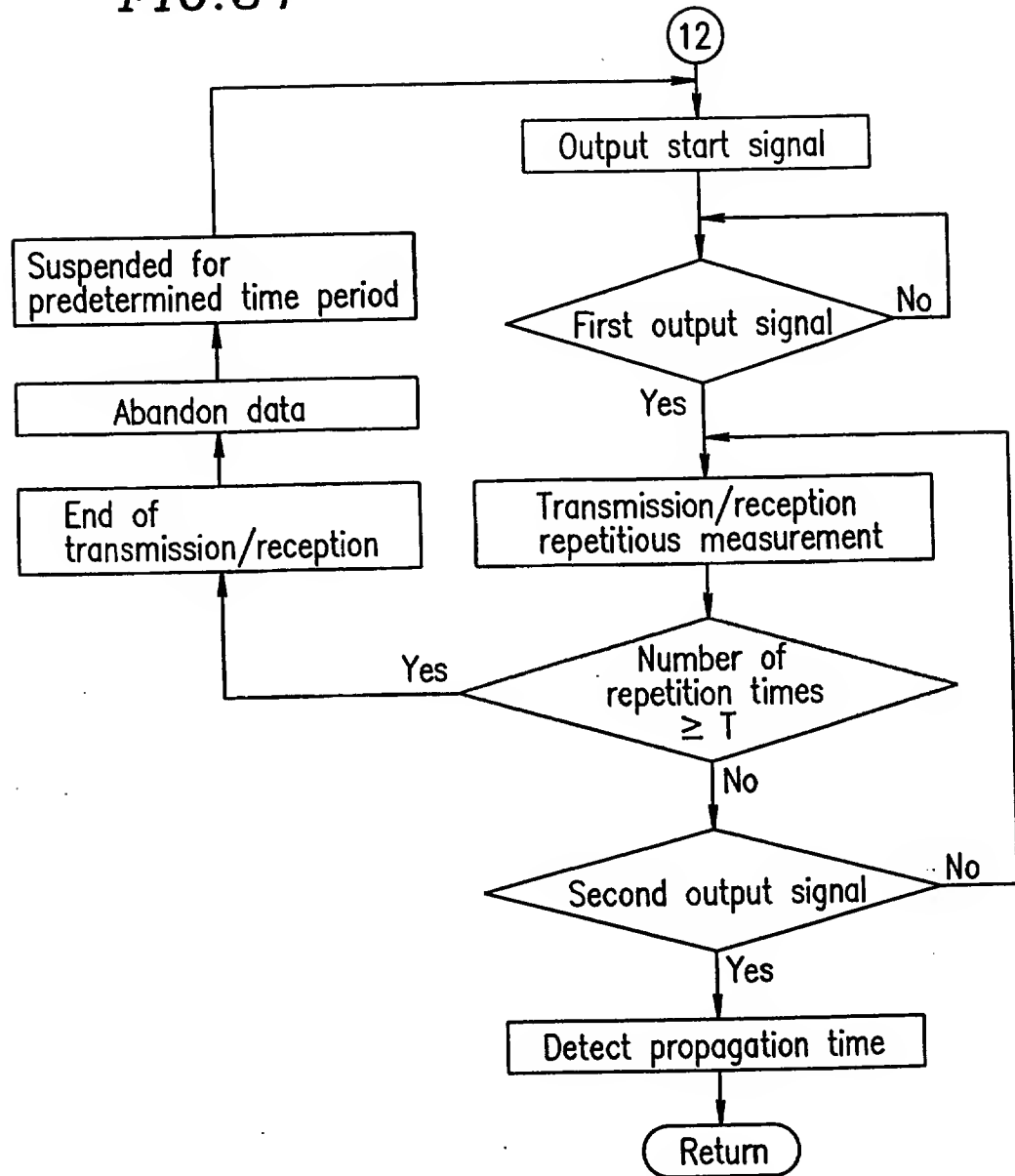


FIG. 35

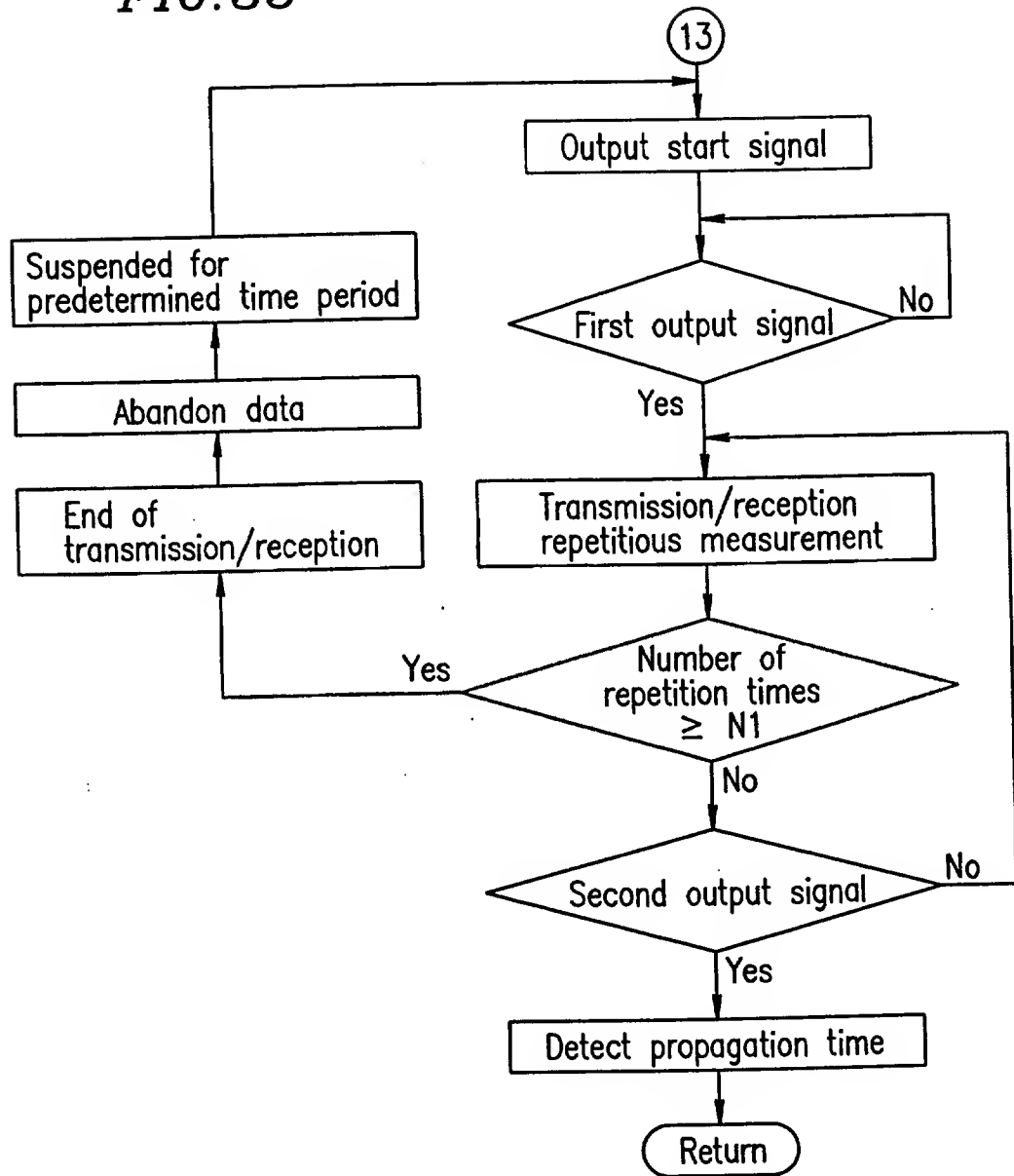


FIG. 36

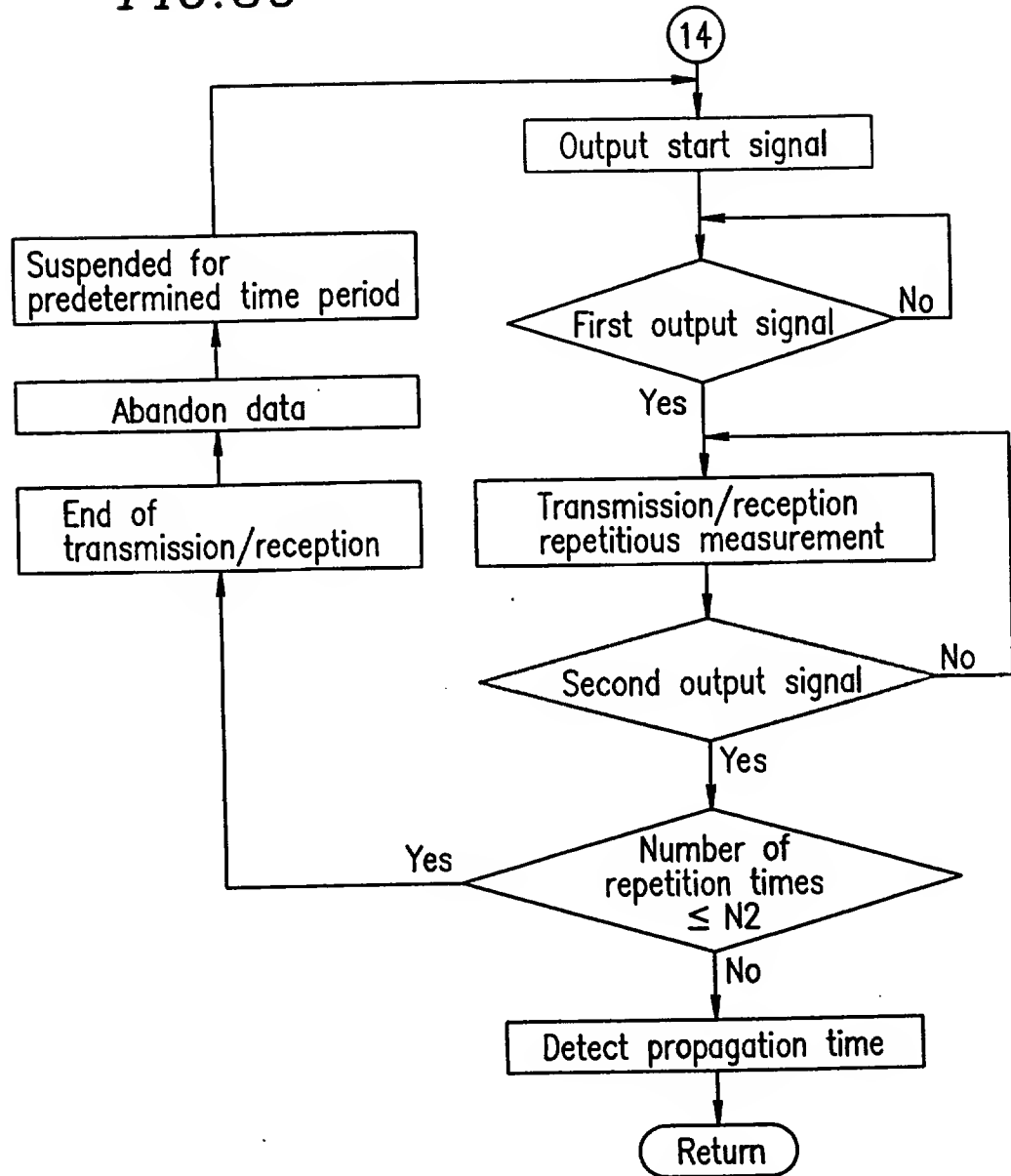


FIG. 37

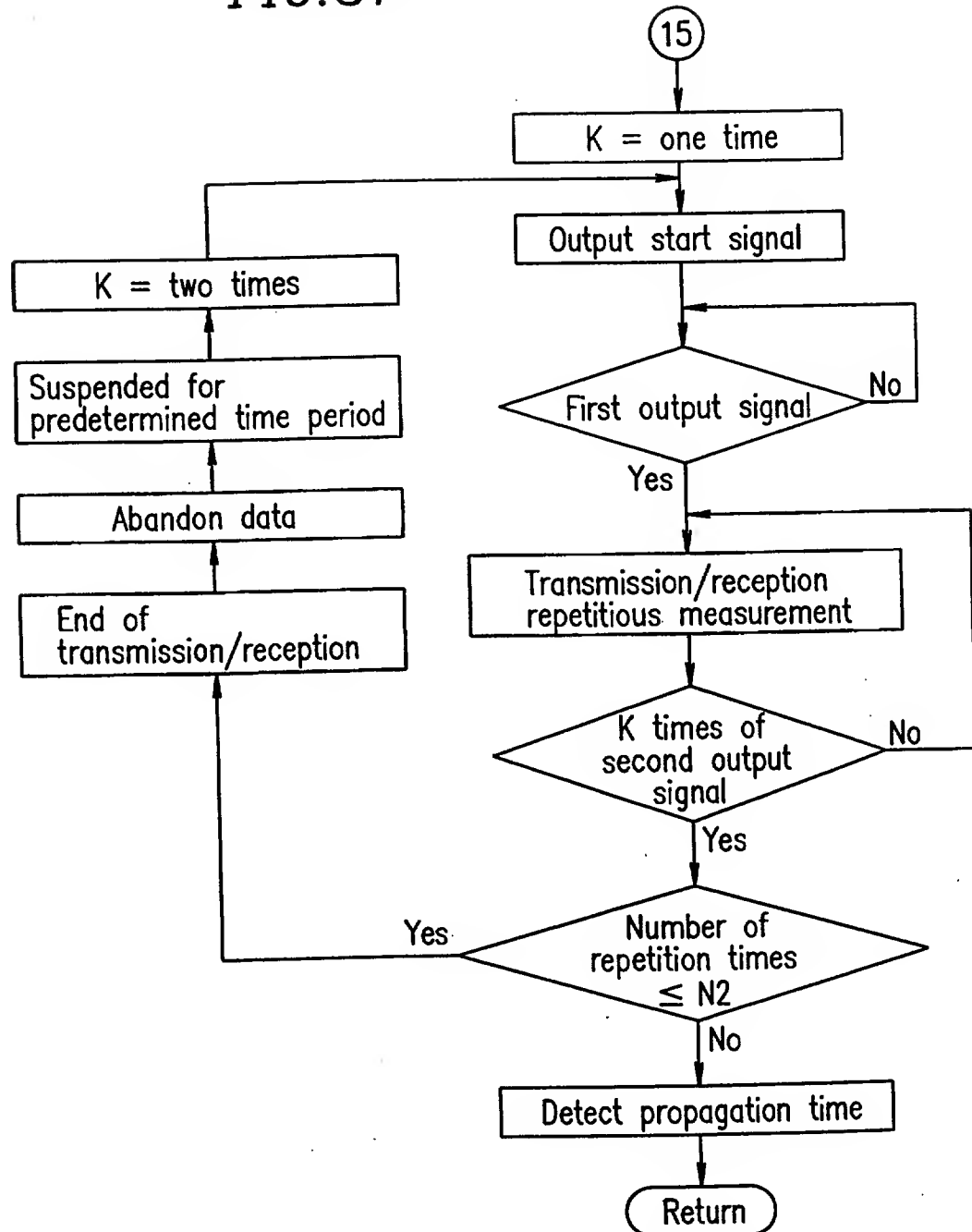


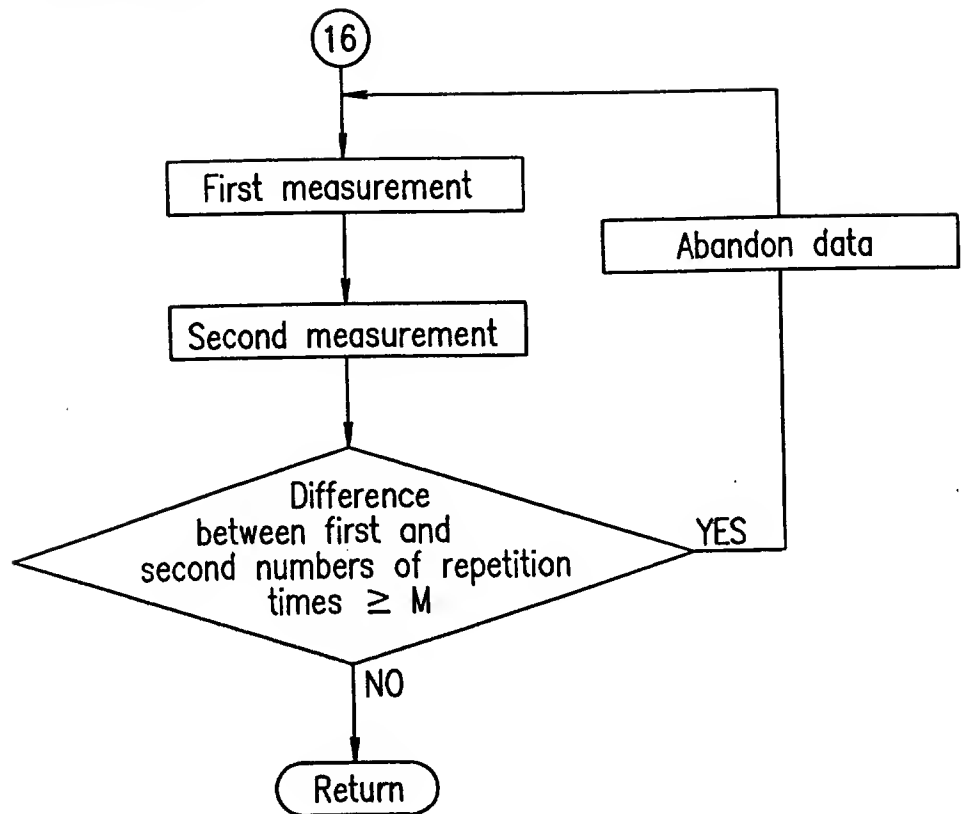
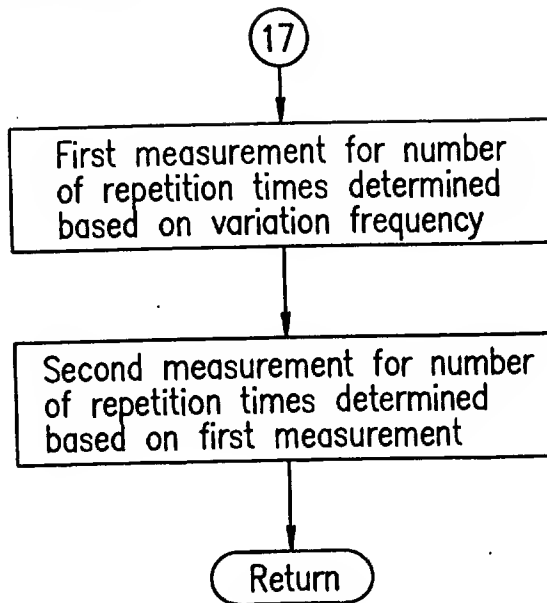
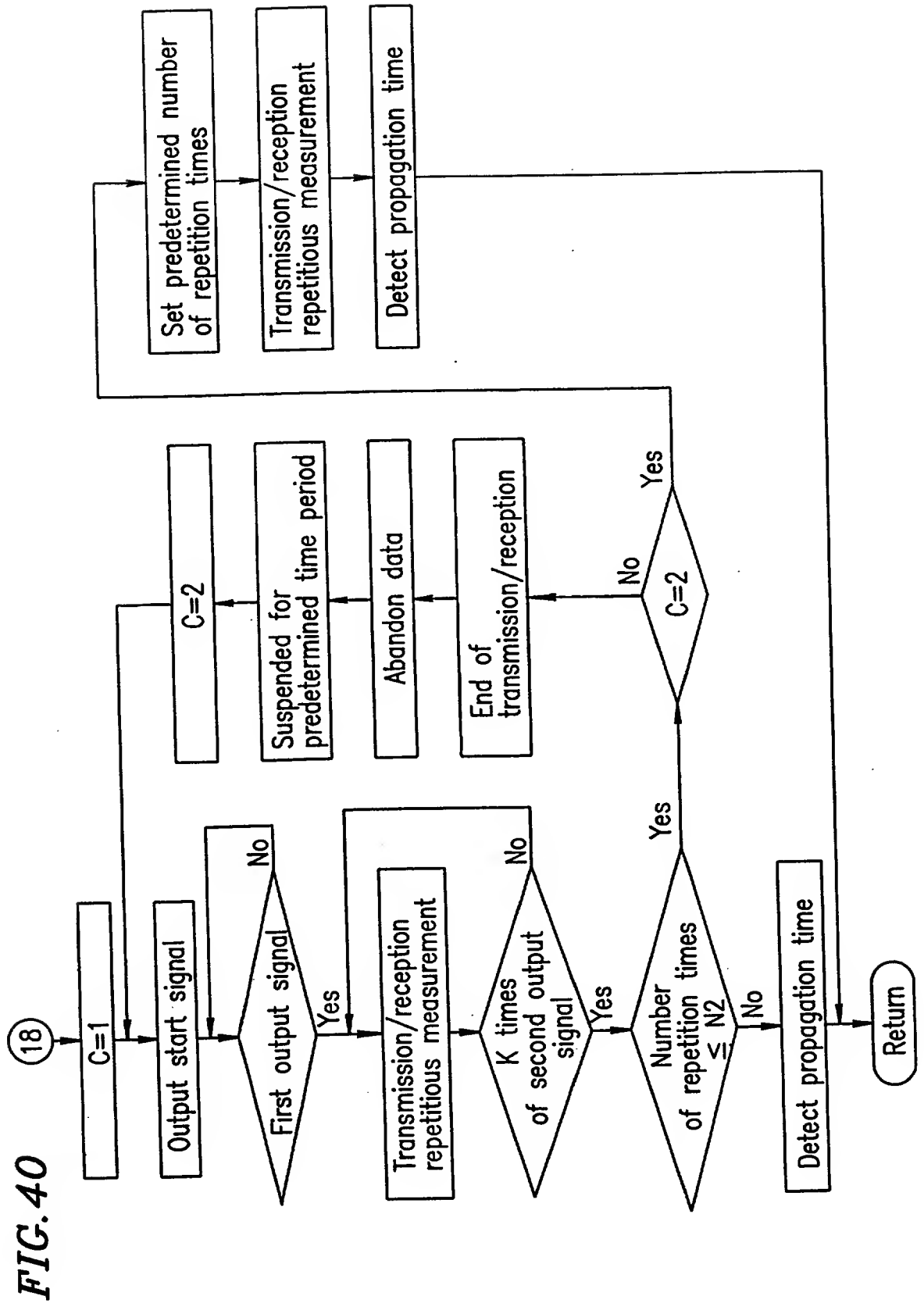
FIG. 38

FIG. 39



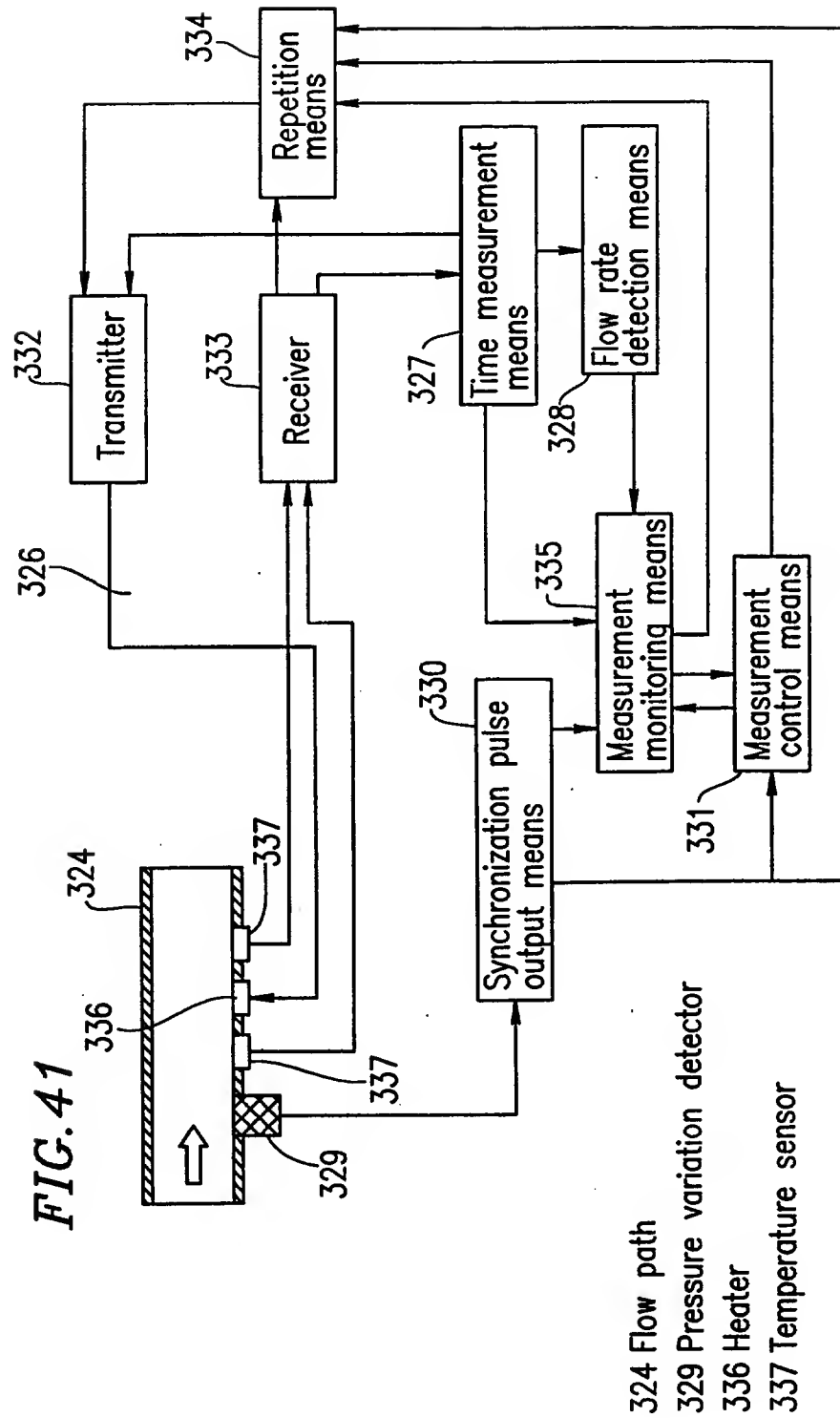


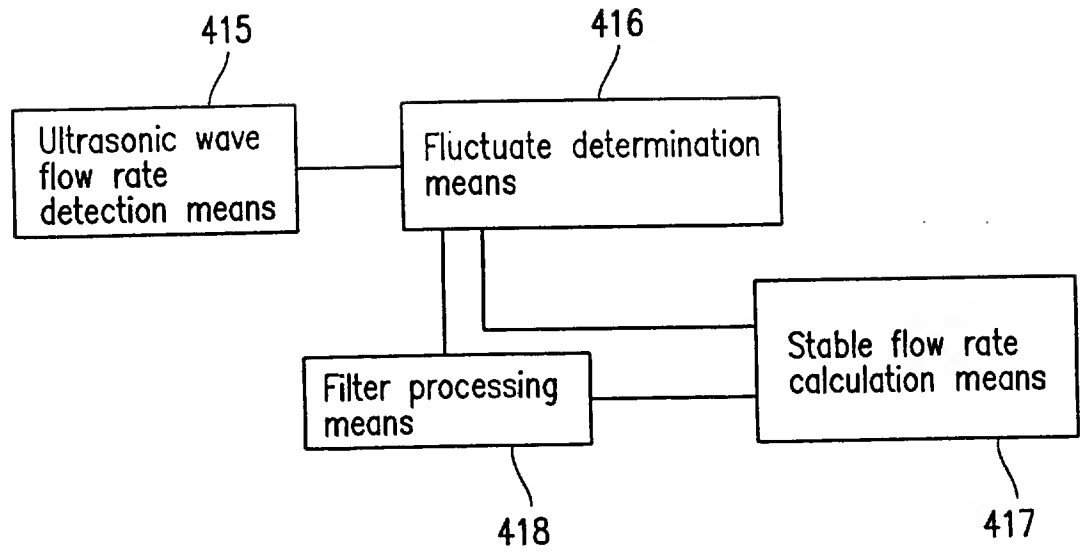
FIG. 42

FIG. 43

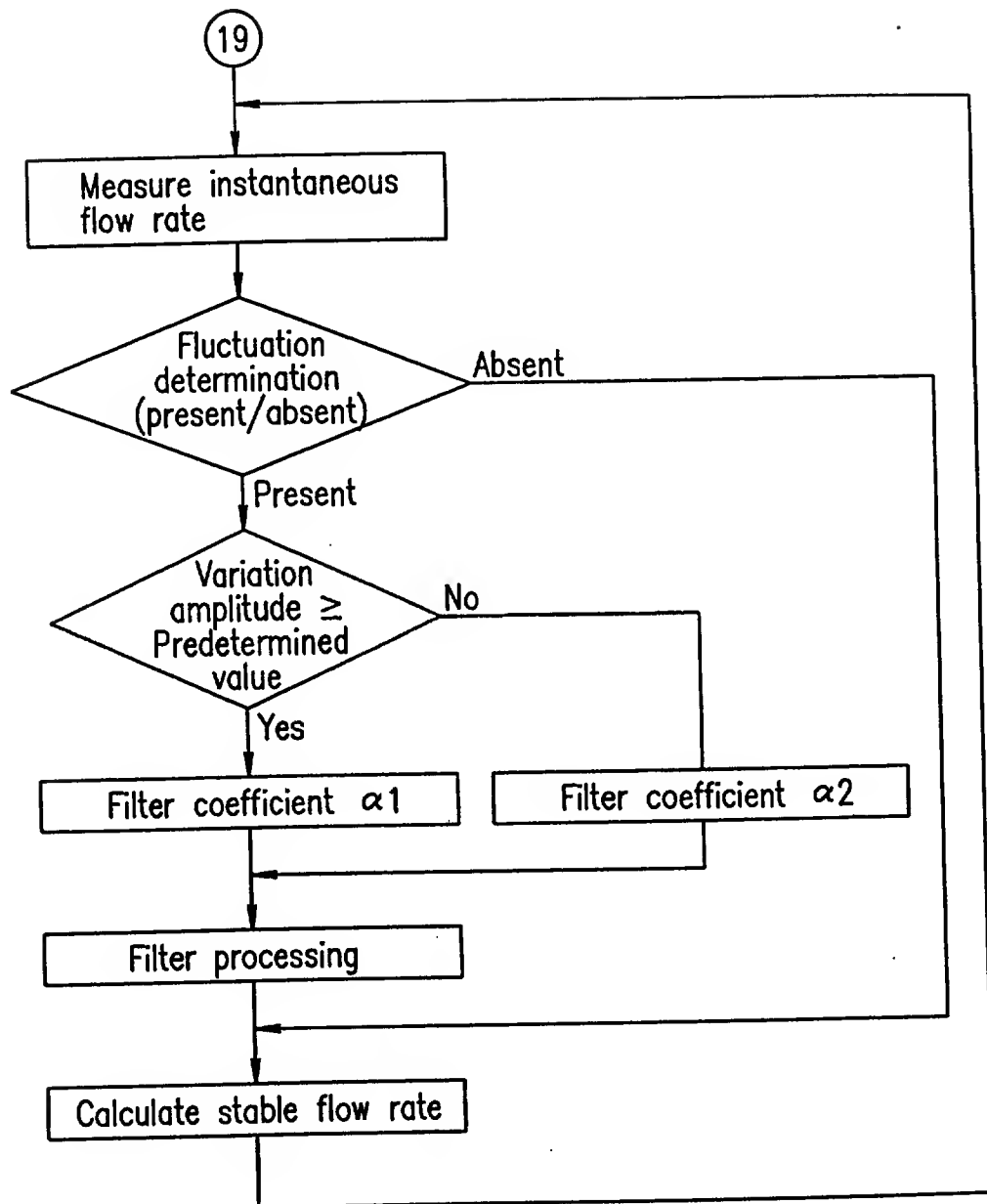


FIG. 44

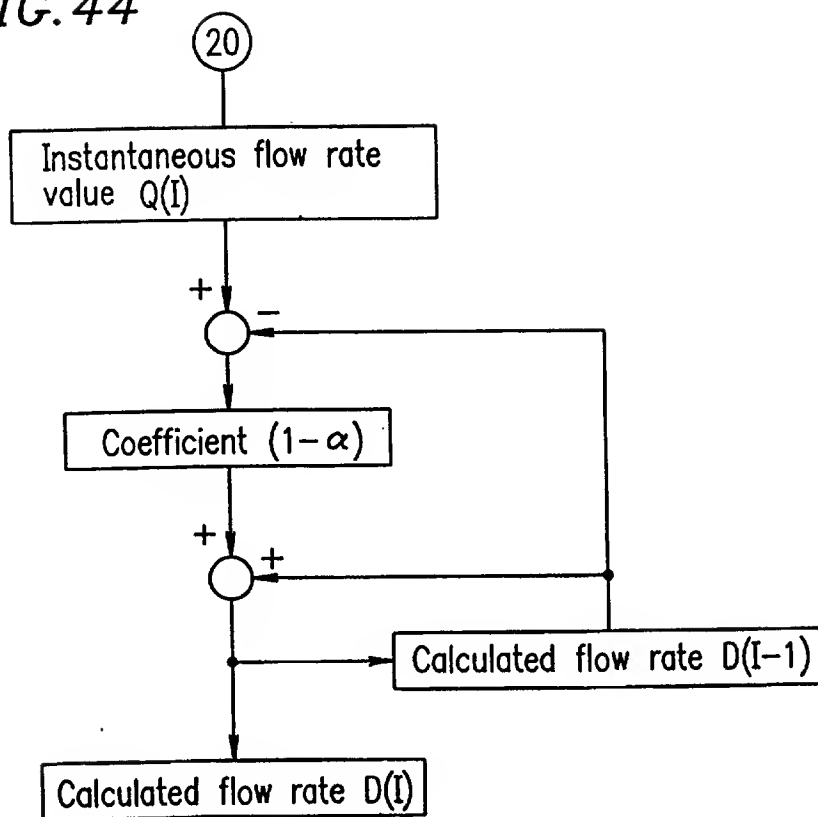


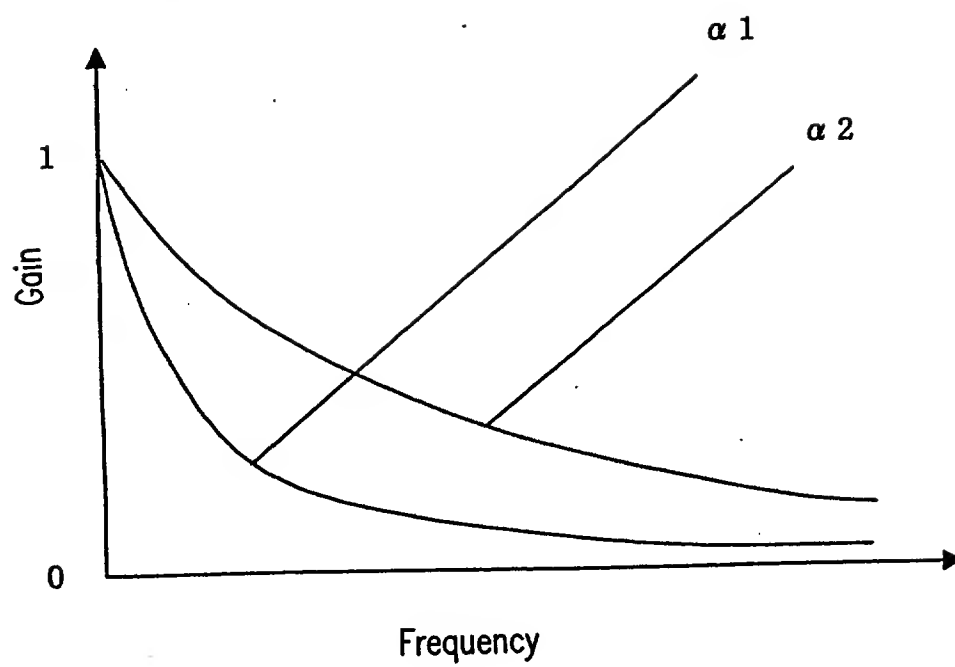
FIG. 45

FIG. 46

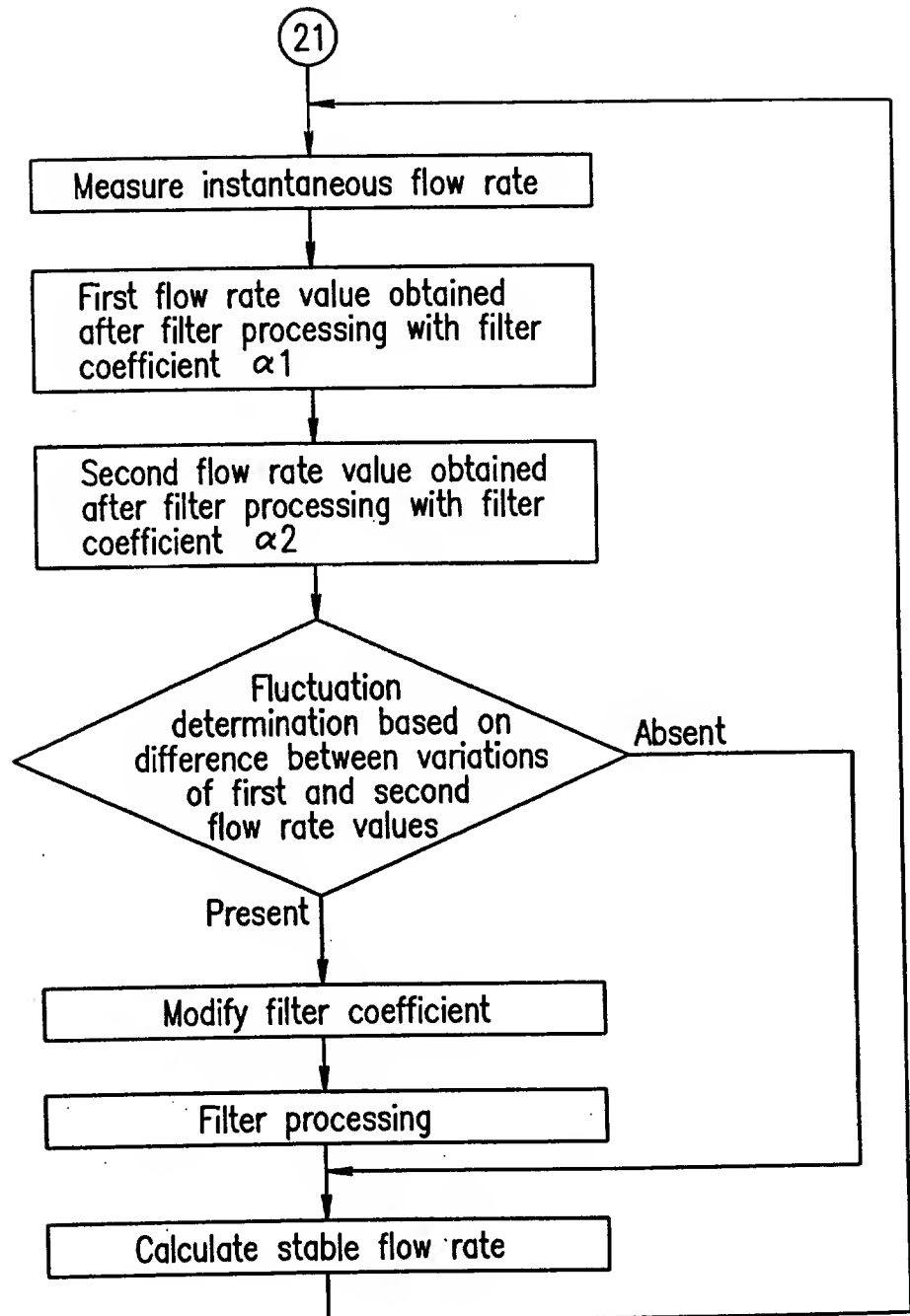


FIG. 47

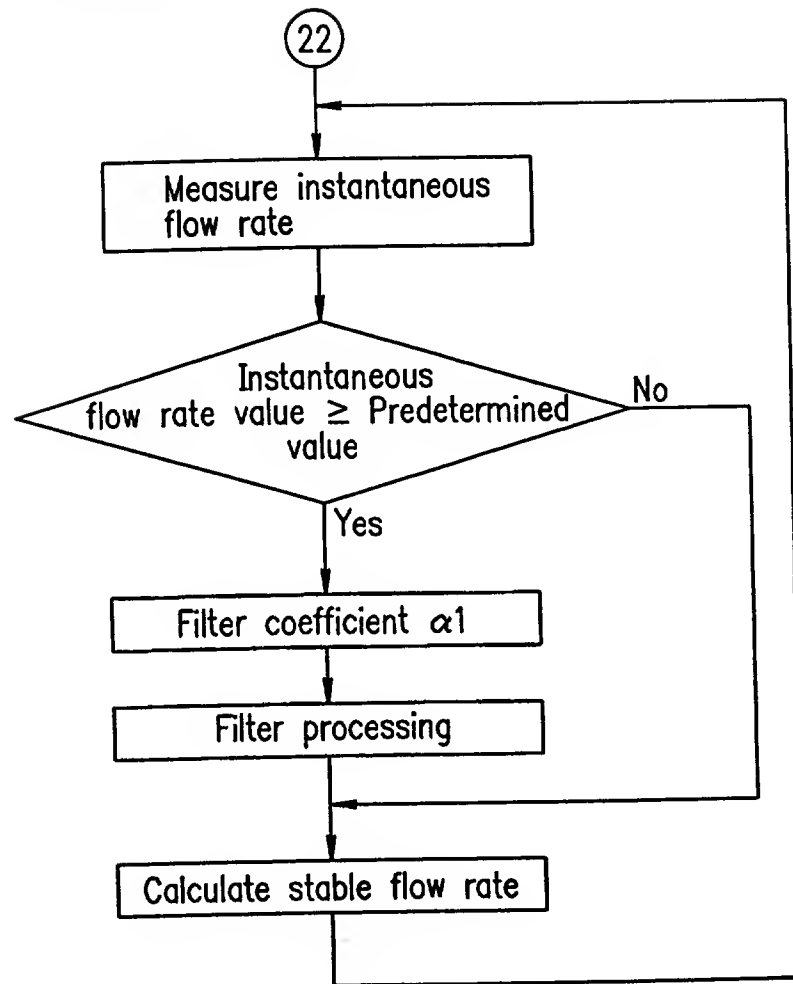


FIG. 48

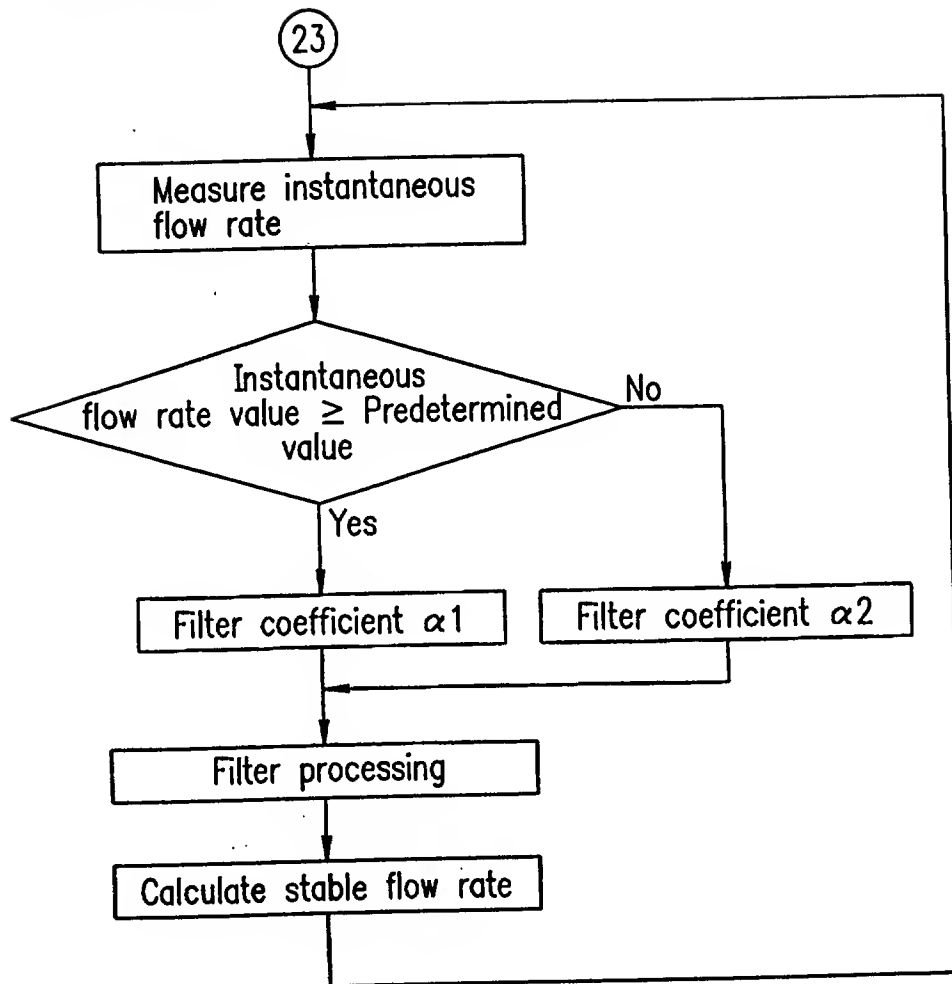


FIG. 49

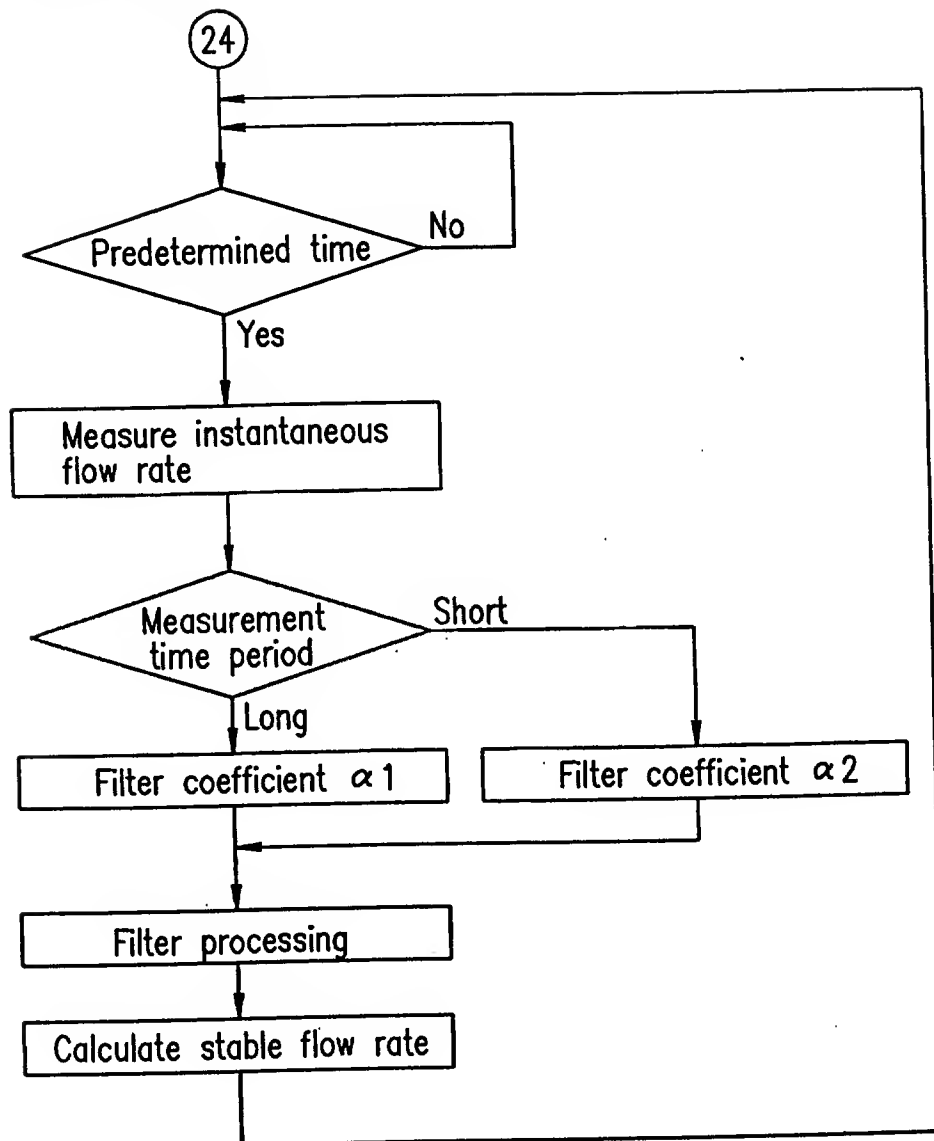


FIG. 50

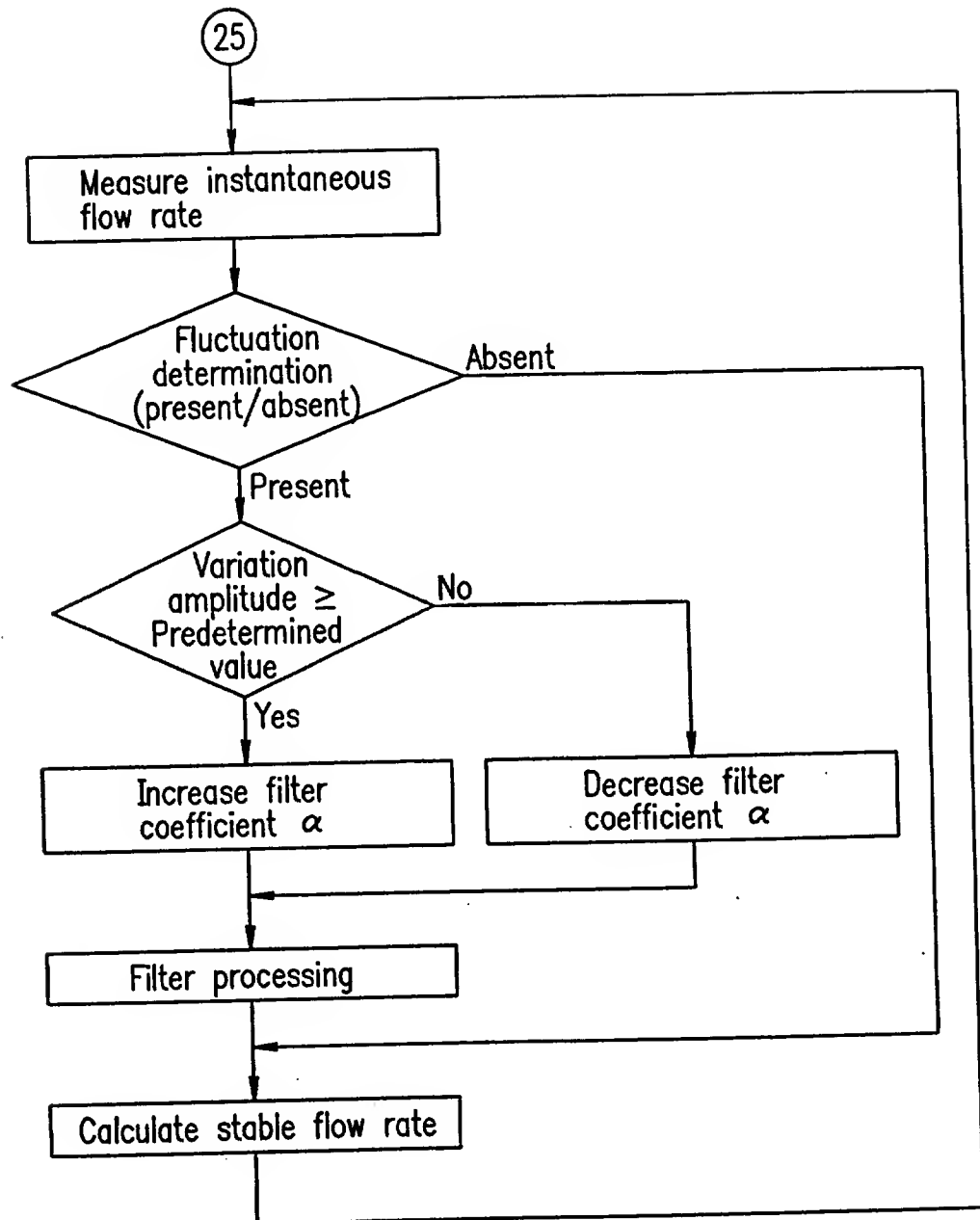


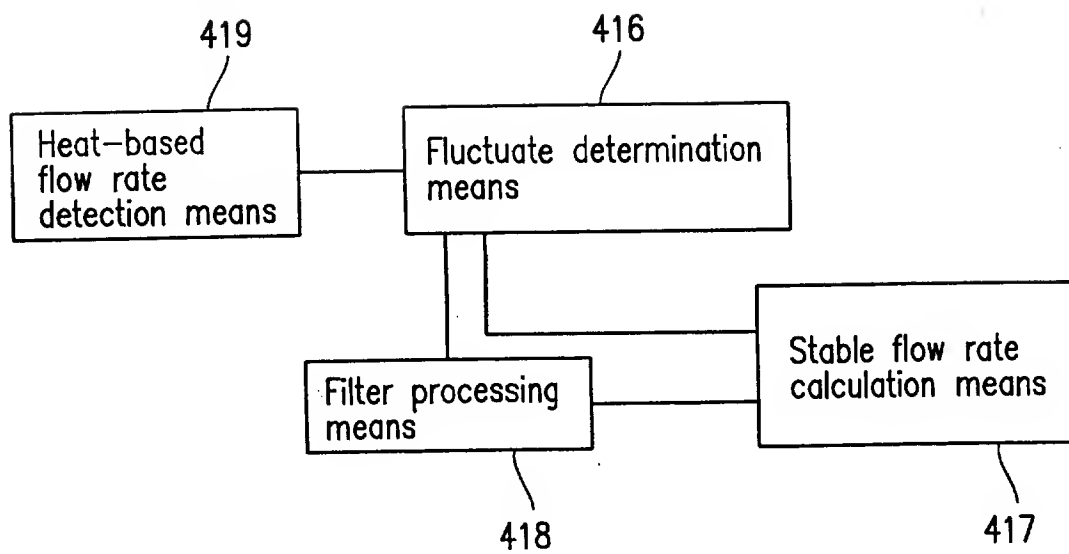
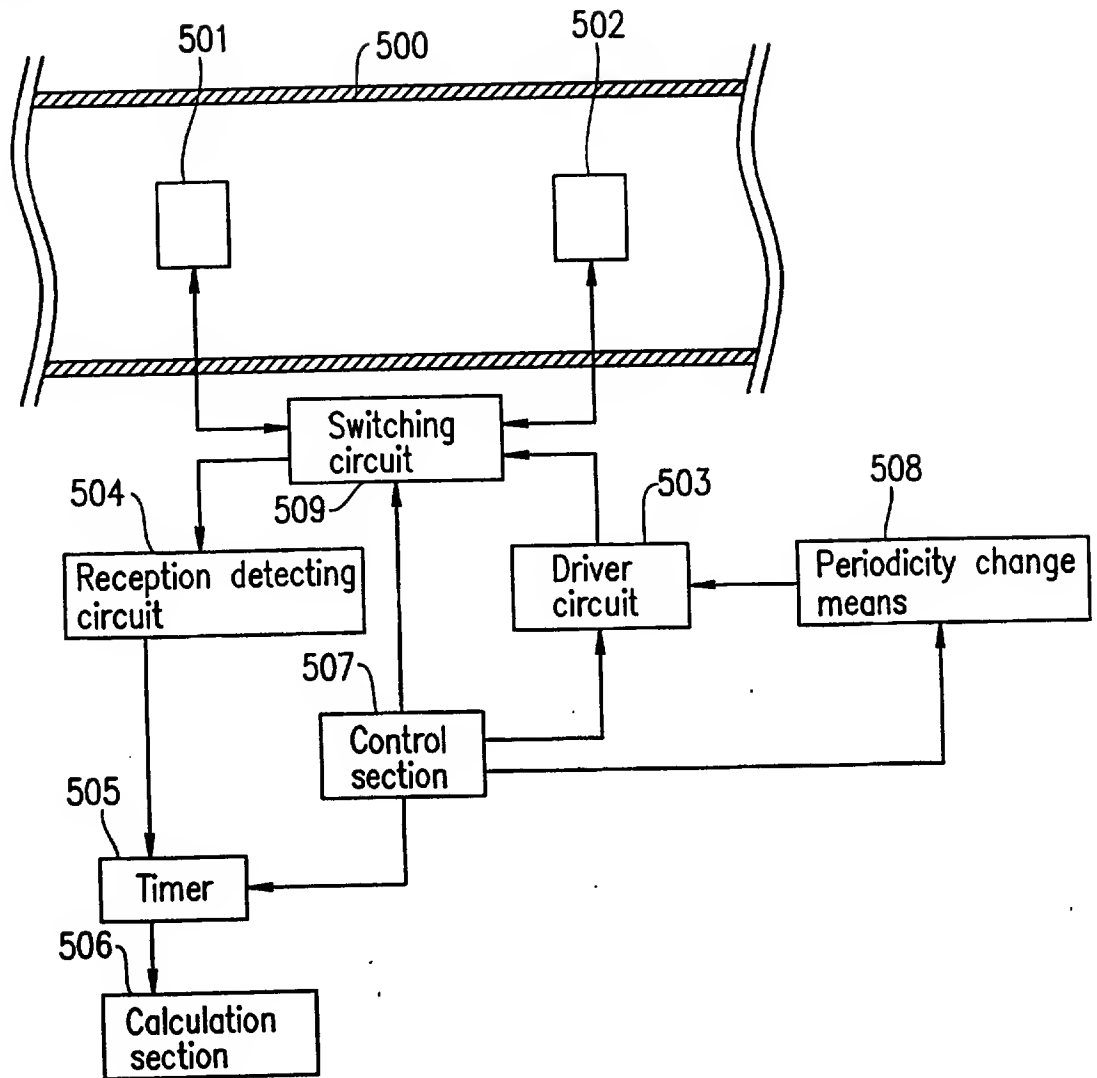
FIG. 51

FIG. 52



500 Flow rate measurement section

501,502 Ultrasonic wave transducer

503 Driver circuit

504 Reception detecting circuit

505 Timer

507 Control section

506 Calculation section

508 Periodicity change means

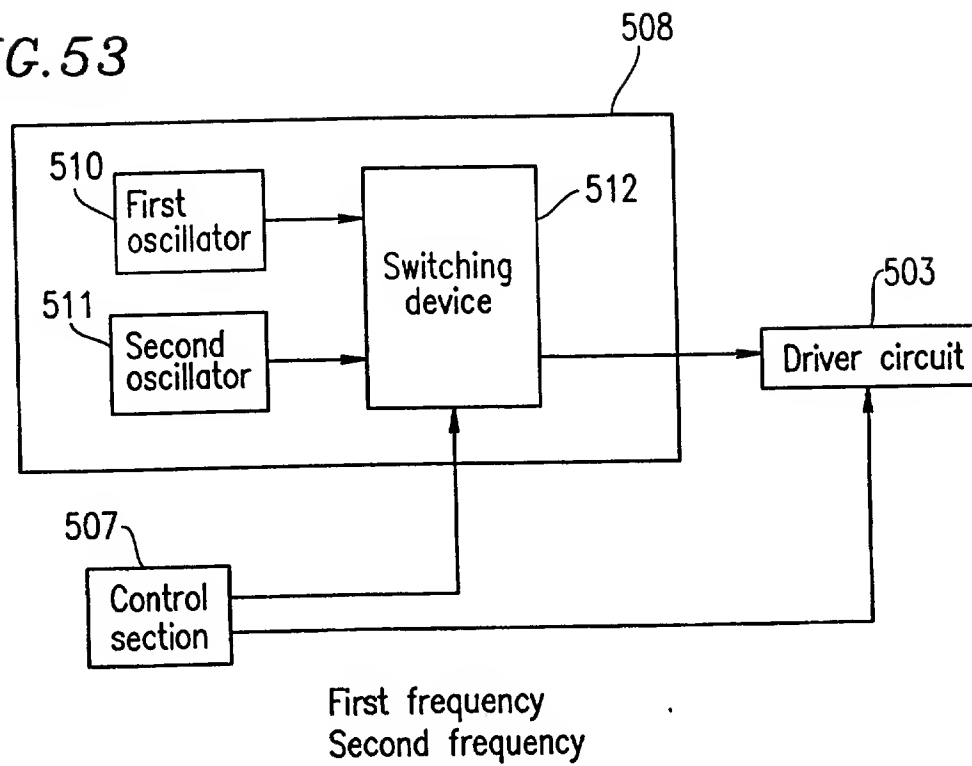
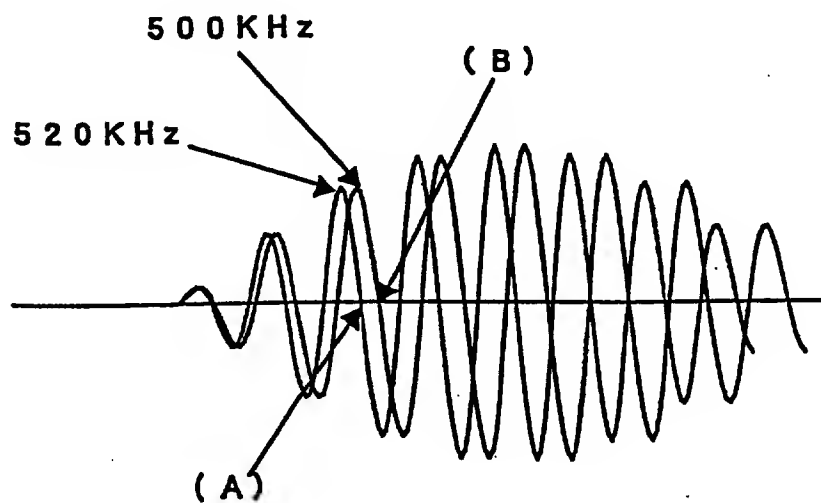
FIG. 53*FIG. 54*

FIG. 55

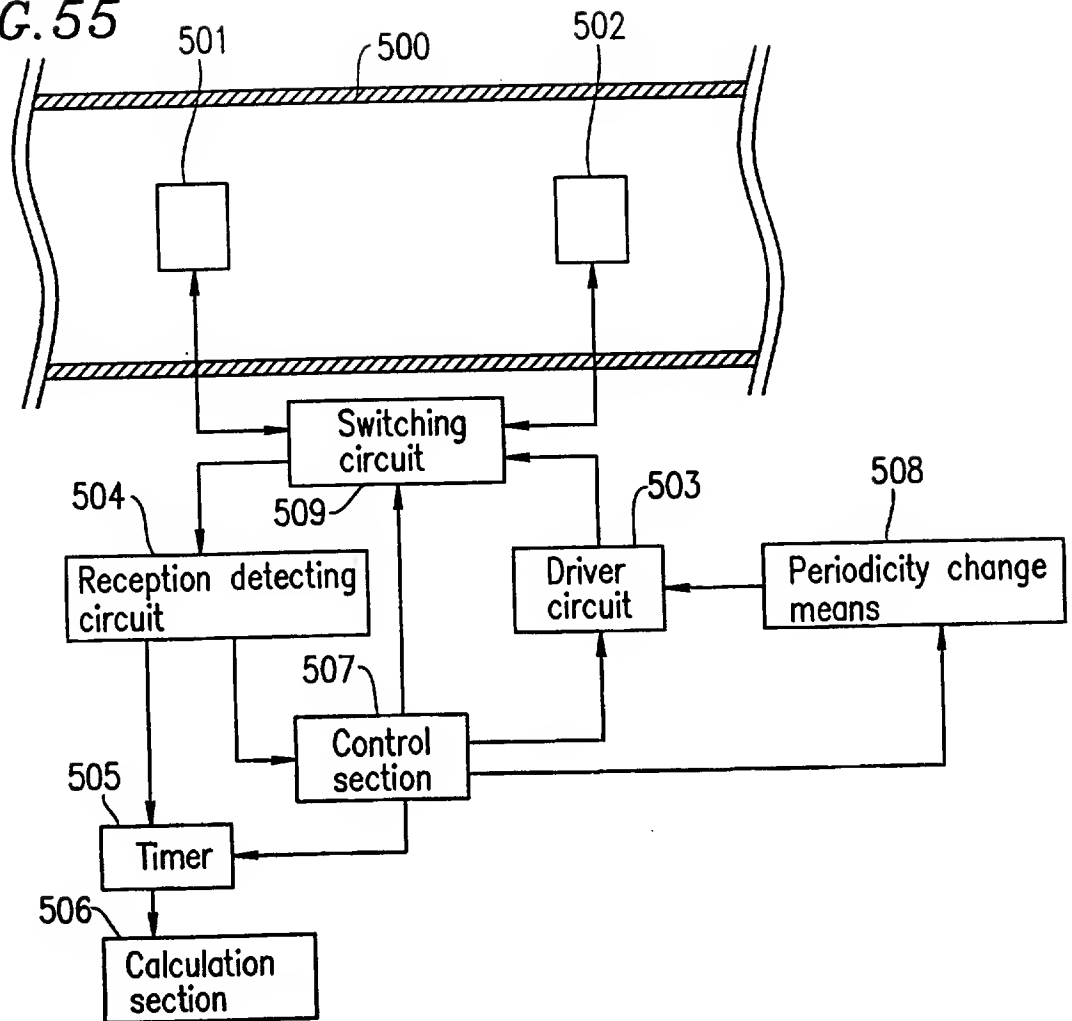


FIG. 56

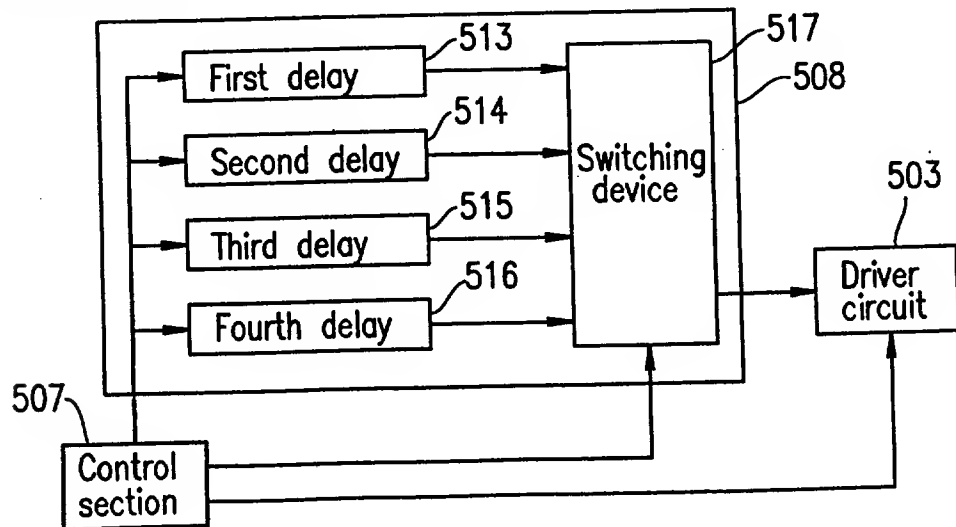


FIG. 57A

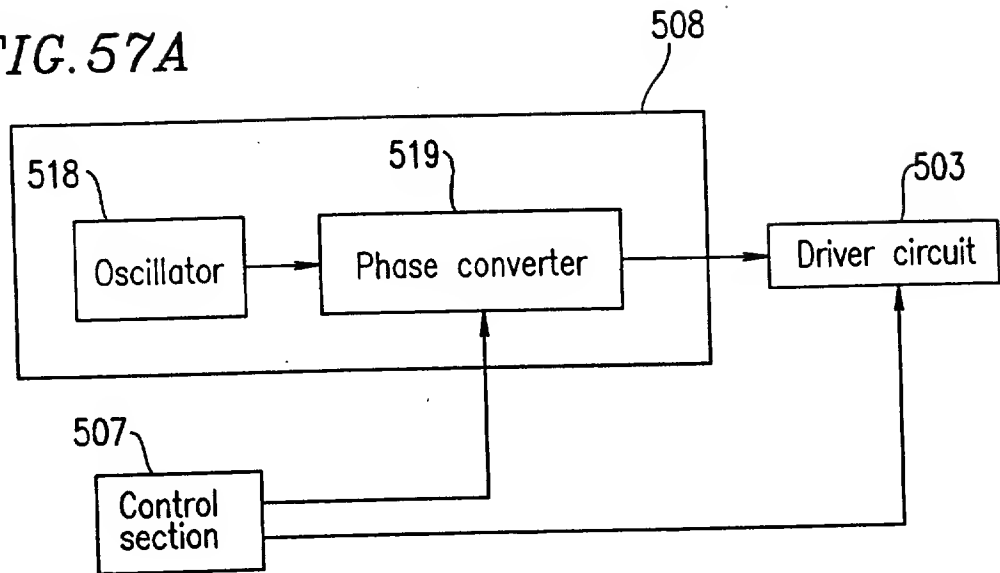


FIG. 57B

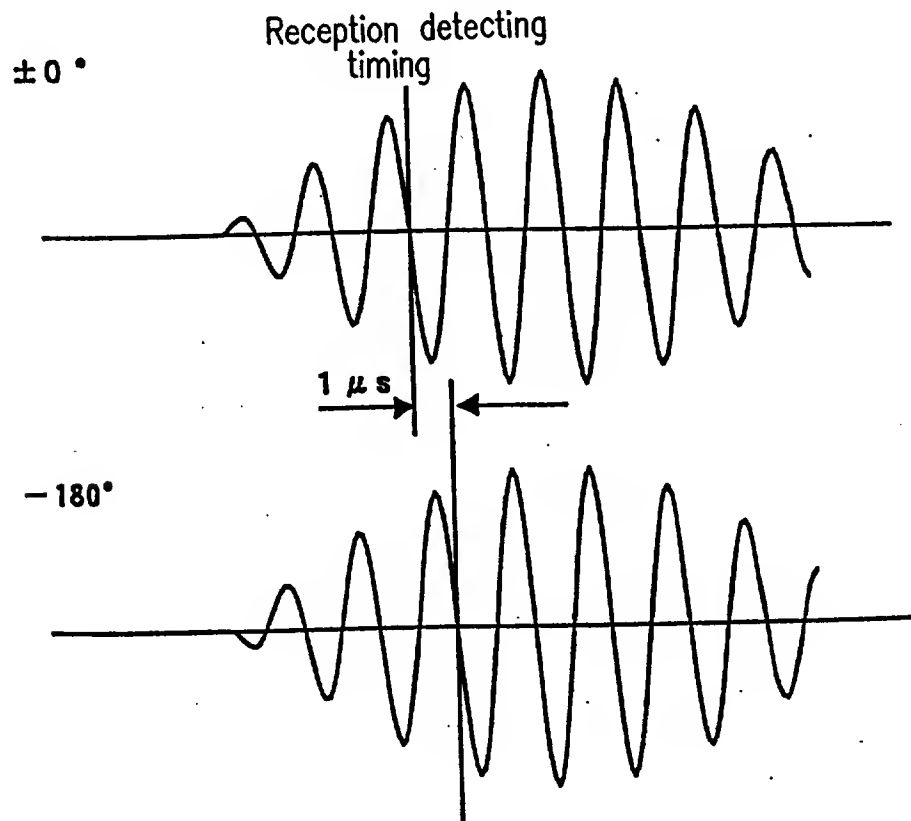


FIG. 58

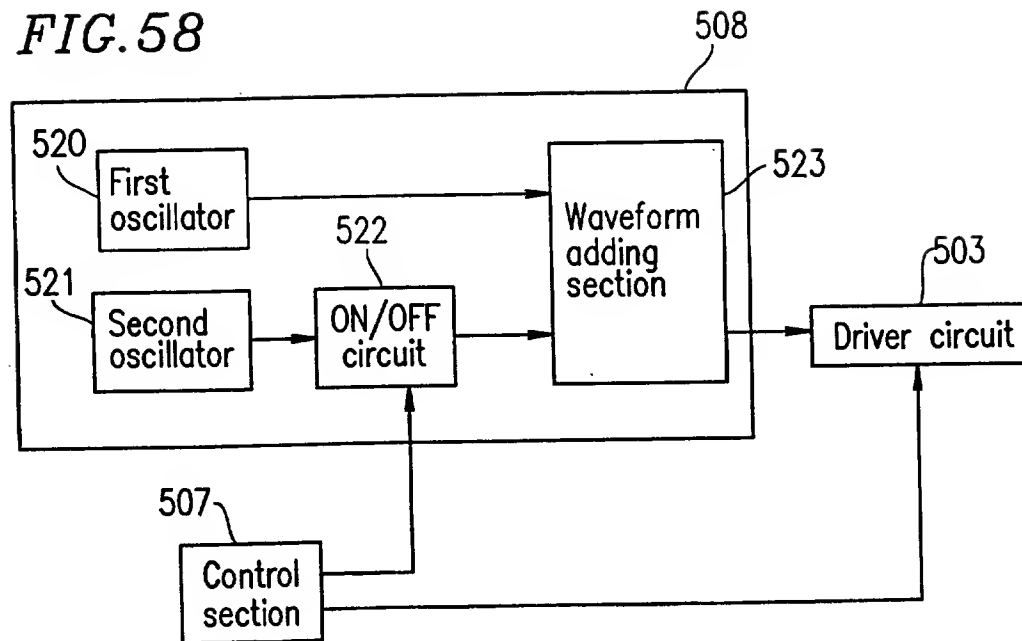


FIG. 59

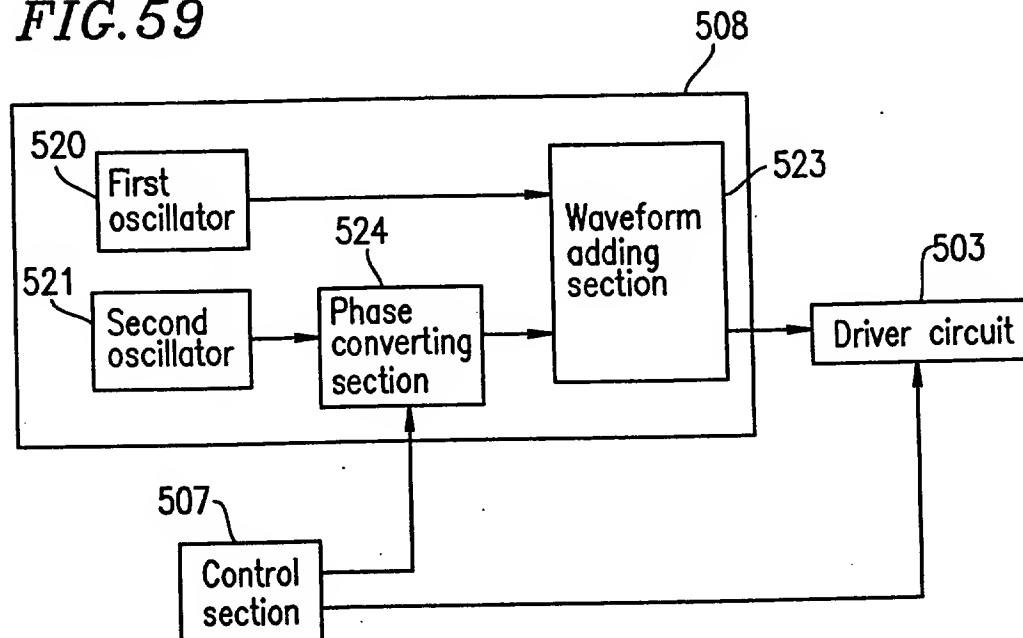


FIG. 60

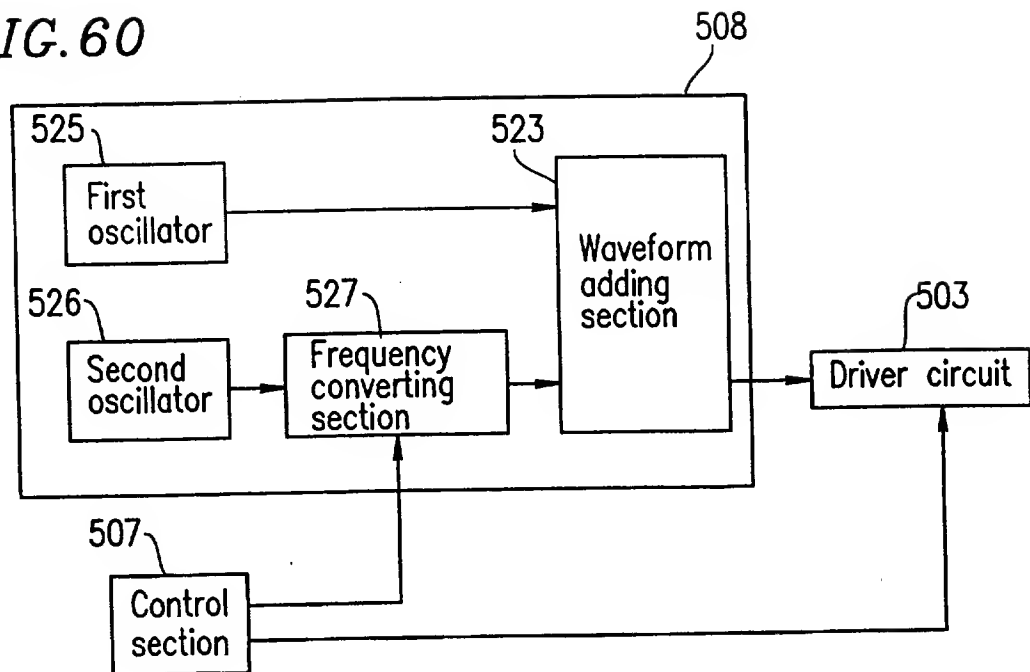
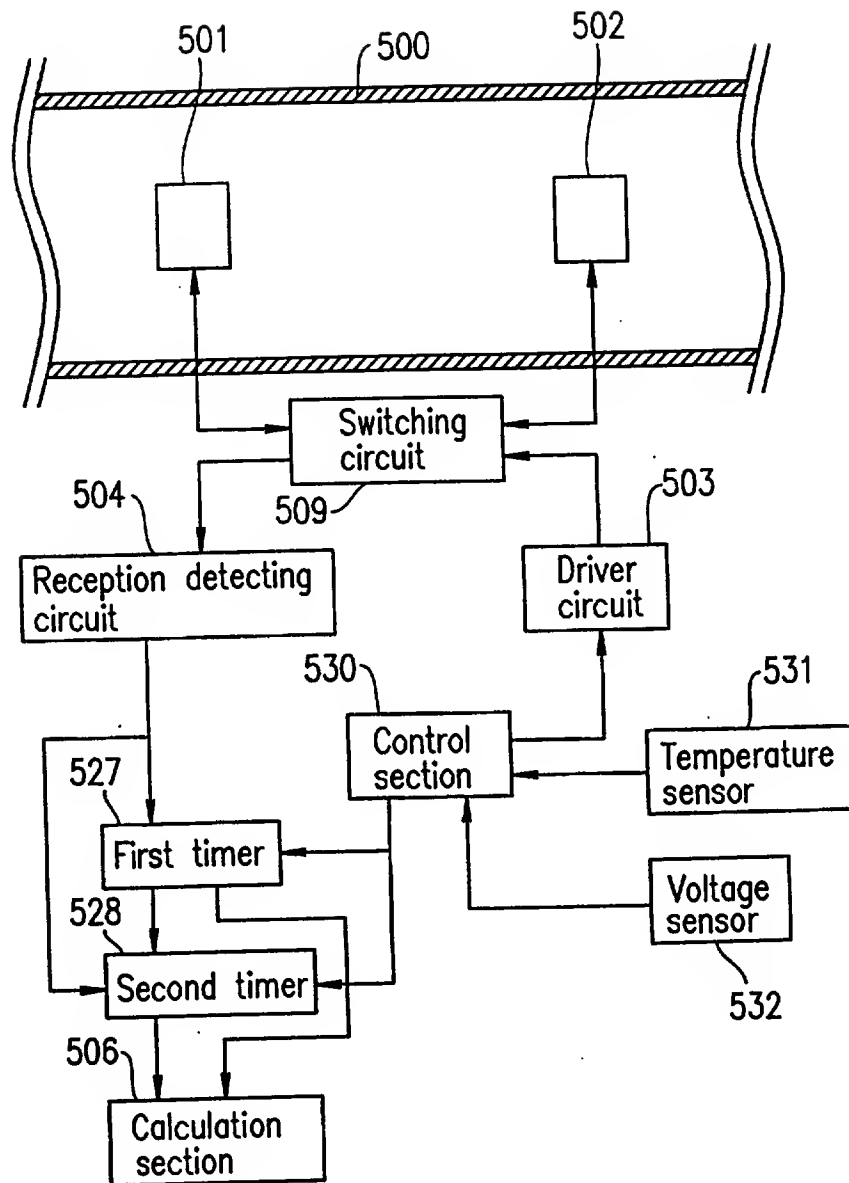


FIG. 61



527 First timer

528 Second timer

531 Temperature sensor

532 Voltage sensor

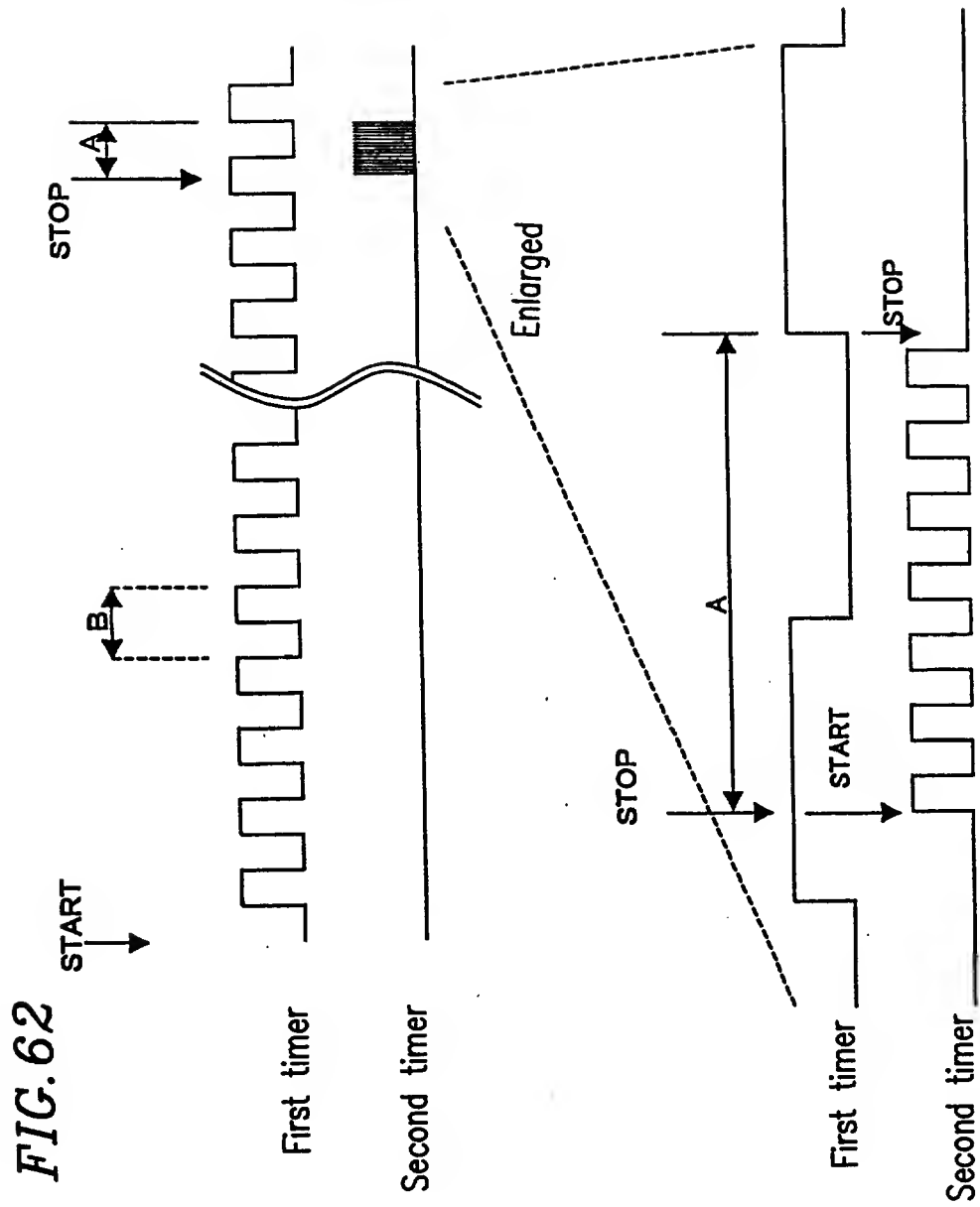
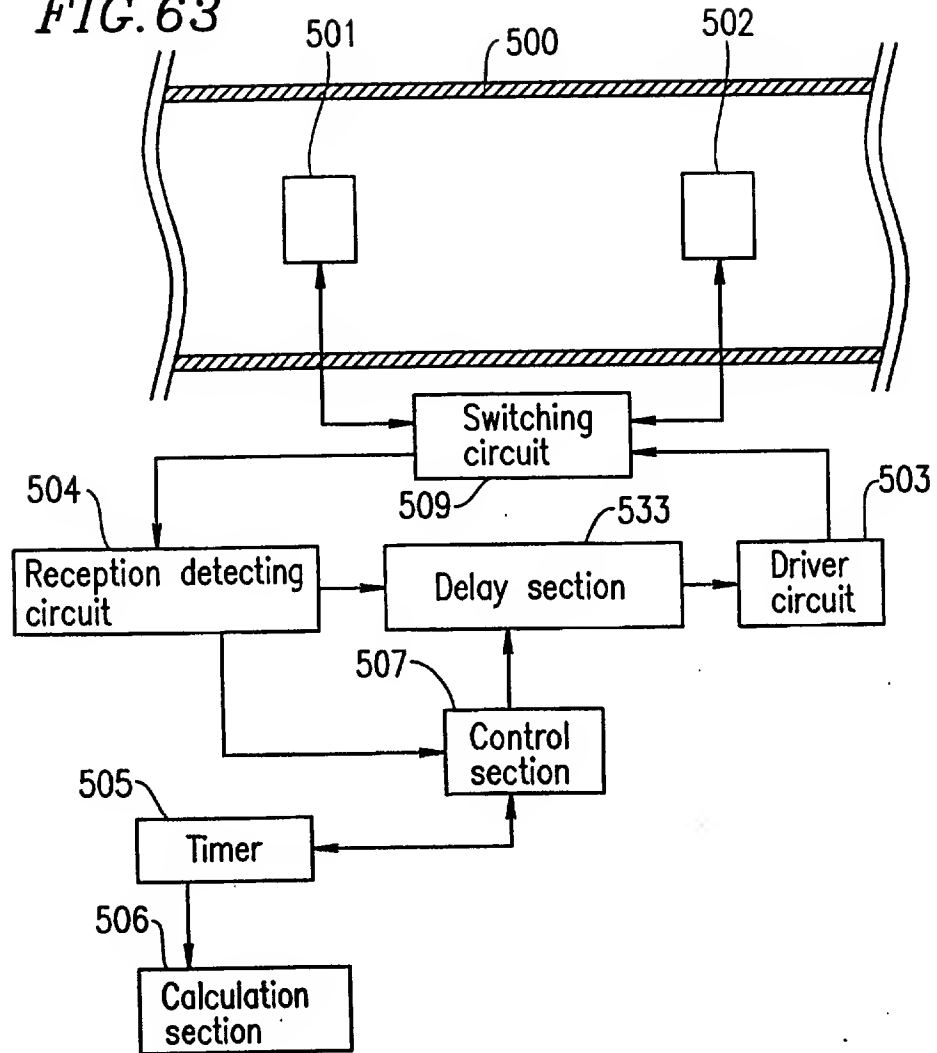


FIG. 63



533 Periodicity stabilization means Delay section

FIG. 64

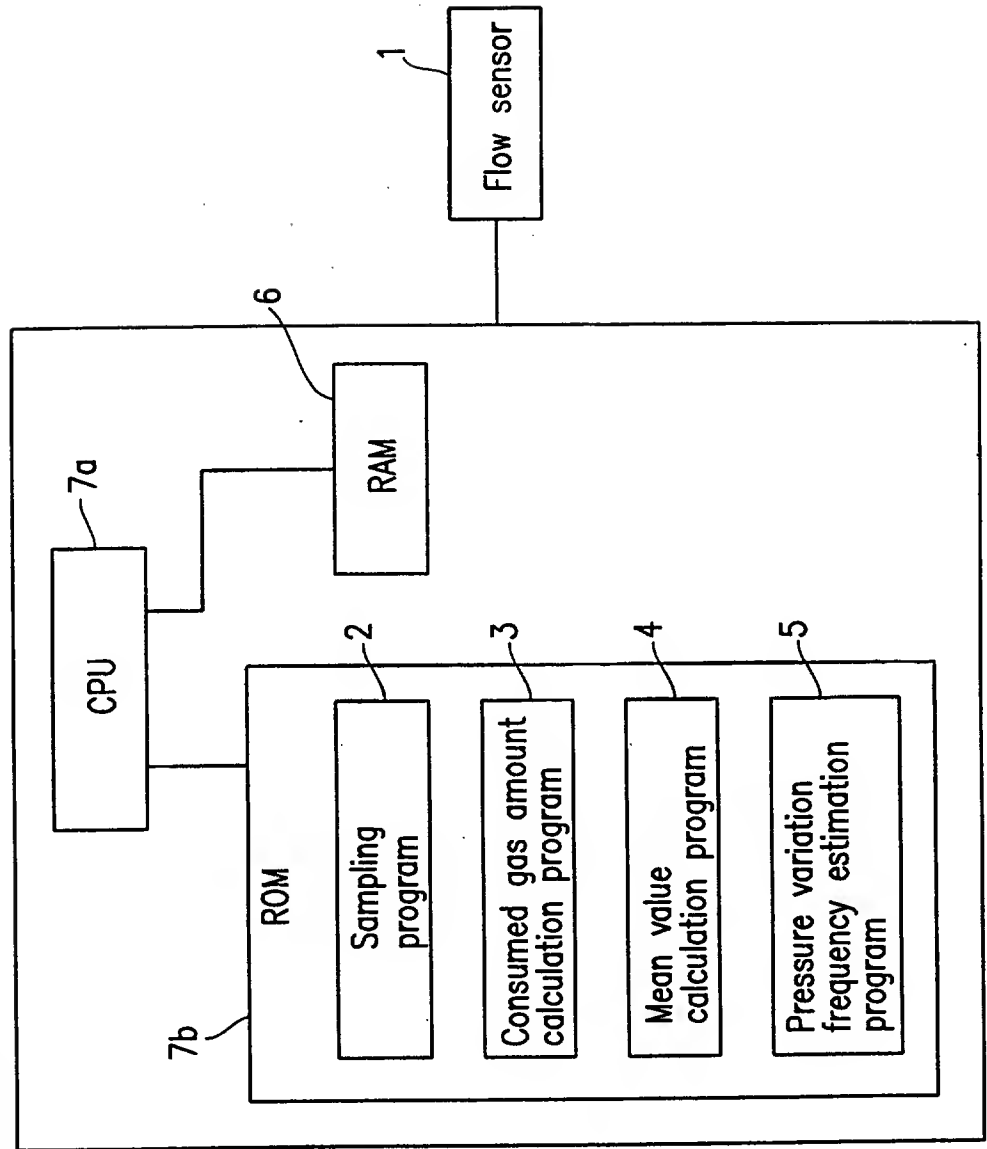


FIG. 65

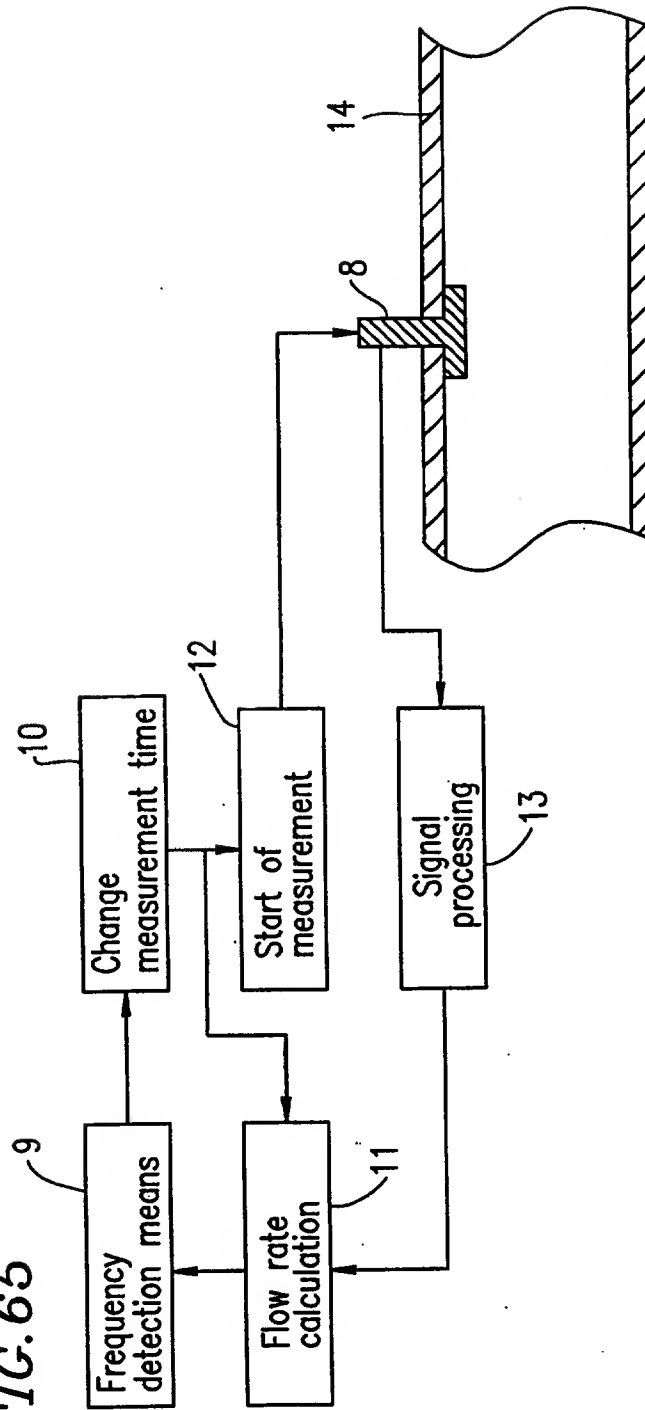


FIG. 66

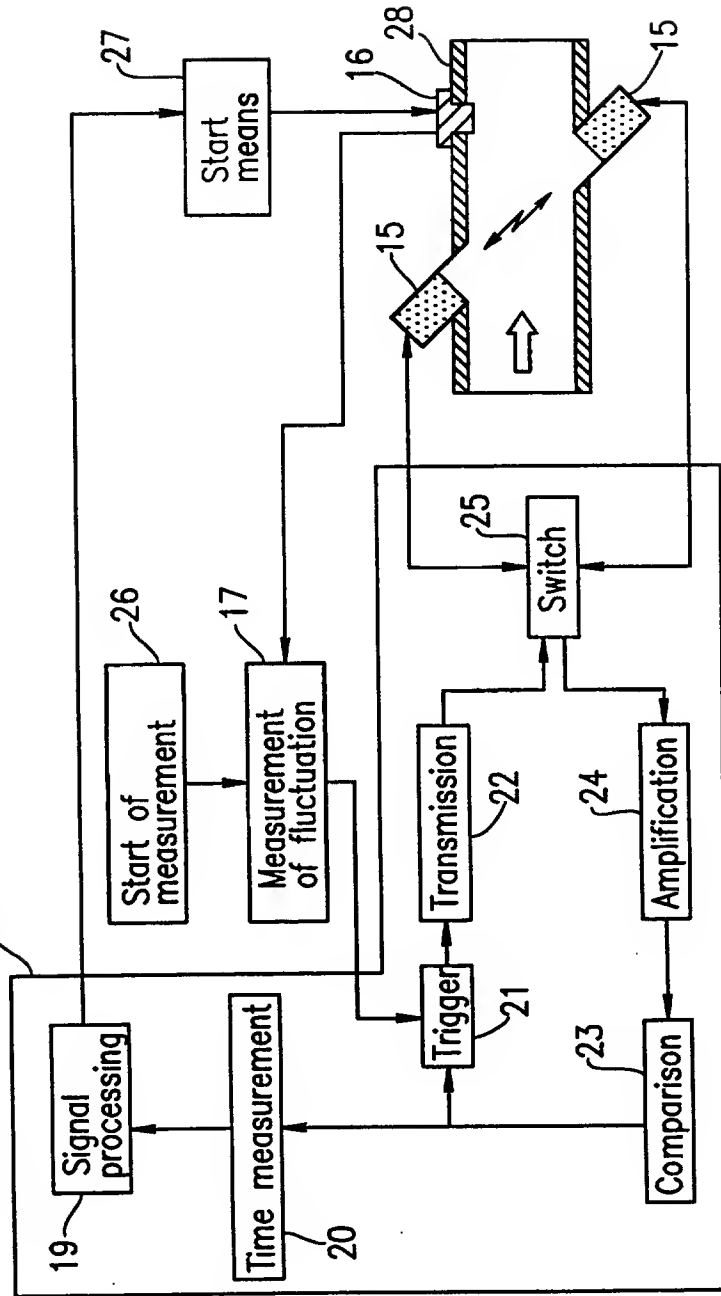


FIG. 67

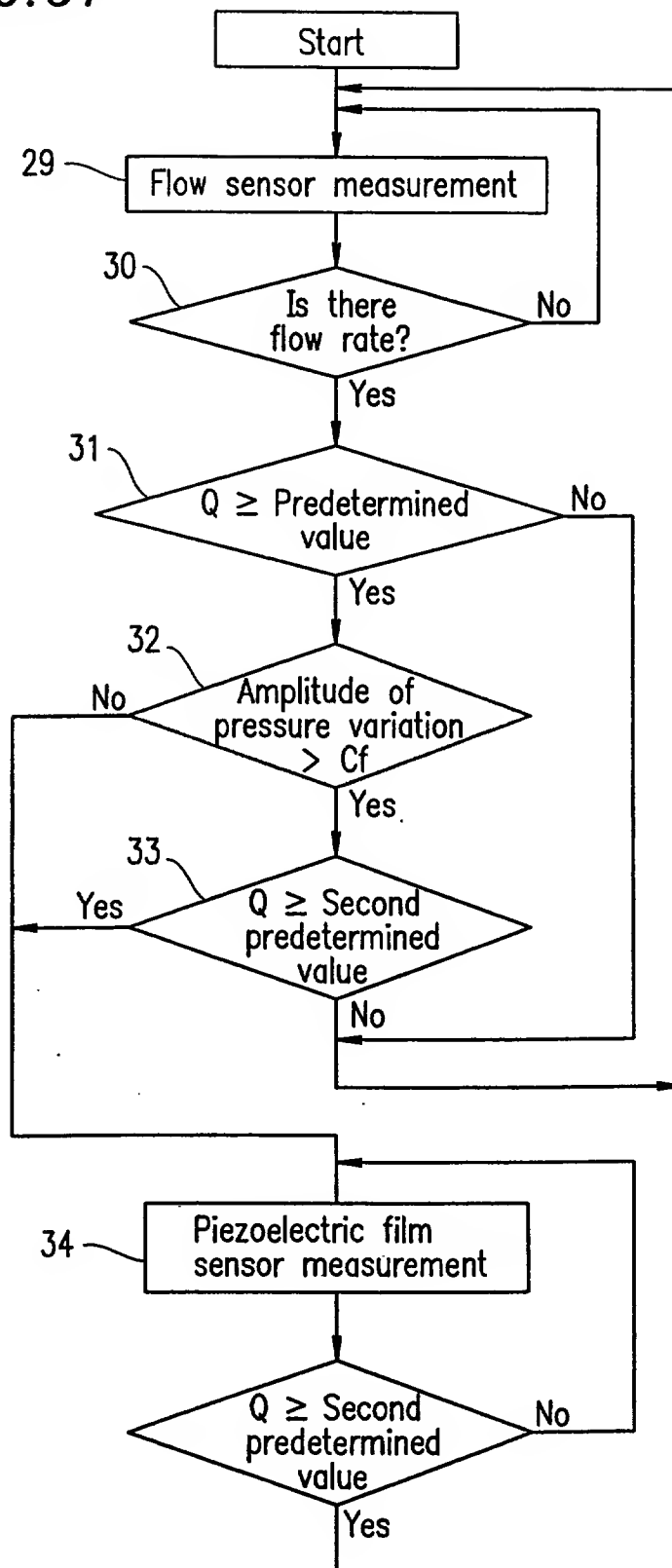


FIG. 68

